

**MAE 4223**

**Performance and Flight Quality Report**

**Team 18**

**Garett Foster and Lucas Utley**

**05.06.18**

## **Abstract**

The purpose of this lab was to give students the opportunity to recognize the merits of flight simulation when compared to actual data acquired from a flight and the performance and handling characteristics associated with basic aircraft maneuvers. Students began with Dr. Kidd demonstrating many aircraft maneuvers including sawtooth climbs, phugoid, and stalls. The data recorded by the simulator was analyzed by students, and then an actual flight completed in a C-172 aircraft with a student pilot. The same maneuvers were completed and recorded by a Garmin 1000 Flight Deck. The data was then normalized and compared to that from the simulator.

## Table of Contents

Abstract.....	1
Nomenclature .....	3
1.0 Introduction .....	4
2.0 Experimental Setup.....	5
2.1 Simulator Setup.....	5
2.2 Flight Setup.....	6
3.0 Flight Test Procedures .....	7
4.0 Analysis Procedures .....	9
4.1 Climb Analysis Procedure .....	9
4.2 SHSS Analysis Procedure.....	11
4.3 Power-on Stall Analysis Procedure .....	112
5.0 Analysis Results.....	12
5.1 Climb Results.....	12
5.2 Power-on Stall Results .....	13
6.0 Conclusions and Recommendations.....	14
References.....	156
Appendix A .....	17
Appendix C.....	26

## List of Figures

Figure 1 - Cessna 172S Skyhawk 3-view .....	5
Figure 2 - Dr. Kidd operating the X-Plane simulator .....	6
Figure 3 - A C-172 as utilized by OSU .....	7
Figure 4 - The Garmin 1000 Flight Deck .....	7
Figure 4 - Flight Test Points/Flight Card .....	8
Figure 6 - In-flight view of the Oklahoma landscape .....	9
Figure 7 – Graph of Average ROC values vs. Climb Speed .....	13

## List of Tables

Table 1 – Data Used for C172 climb maneuver analysis .....	11
Table 2 – Data Used for C172 SHSS maneuver analysis .....	12
Table 3 – Average C-172 ROC values at different climb speeds .....	13
Table 4 – C-172 Power-on stall values .....	14

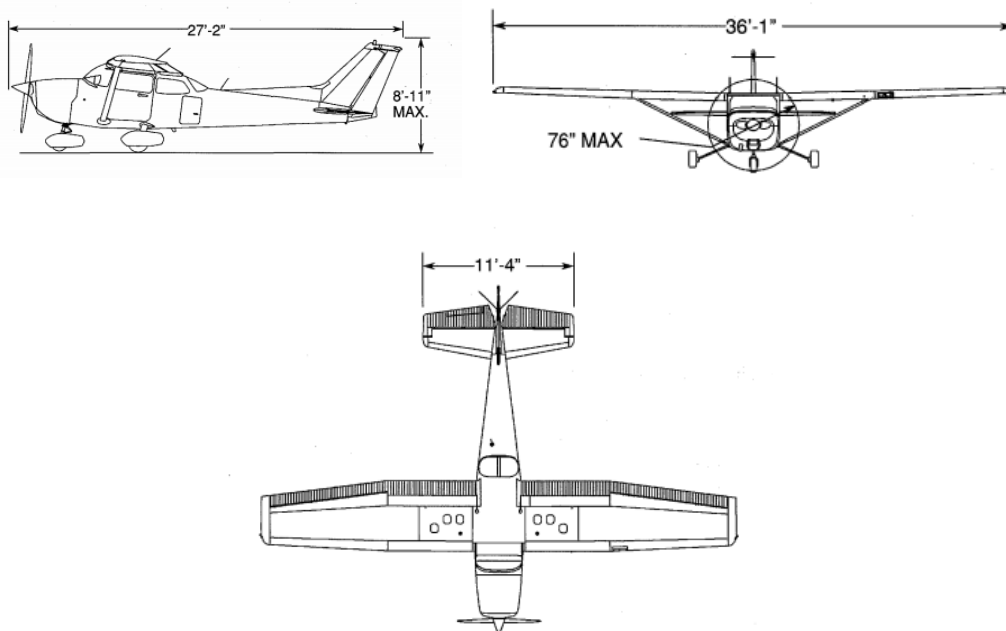
## Nomenclature

FTT	=	flight test techniques
KIAS	=	knots-indicated air speed
MSL	=	medial sea level
P&FQ	=	performance and flight quality
SHSS	=	steady heading sideslip
ROC	=	rate of climb

## 1.0 Introduction

The purpose of the P&FQ (Performance and Flight Quality) lab in spring 2018 was to help students understand the significance of using flight simulators and comparing them to actual flight data. Not only did this lab give insight into what aircraft performance and handling characteristics look and feel like from the cockpit both in the simulator and in flight, but also what the resulting data appears as when graphed with respect to time.

By beginning with an X-Plane simulator for a Cessna 172S Skyhawk (further to be referred to as Cessna 172 or C-172), a series of maneuvers were executed by the instructor, Dr. Kidd to highlight various performance traits of the aircraft. The students then analyzed the data to make plots and understand the numbers involved in each maneuver. Students then flew in an actual C-172 with a student pilot and saw these maneuvers executed in real time on board the aircraft. Data analysis followed in a similar manner to the simulator. Below is a three-view of the Cessna 172.



**Figure 1 Cessna 172S Skyhawk [1]**

The simulator and flight setups are explained in this report. Analysis comparing the various student's flights as well as the flights to the simulator data is also presented here, including the data analysis methodology. Three test points will be analyzed: Climb, Steady Heading Side Slip and Power-on Stall.

## 2.0 Experimental Setup

Two flight testing experiments were performed to collect data for this study. The first was a stationary flight simulator where the course instructor, Dr. Kidd, performed flight test maneuvers while students watched and collected data. The second experiment was a flight in a C-172 with one of Oklahoma State Universities Aviation Education Instructor Pilots with groups of two students riding along for data collection. Both the flight simulator and C-172 flights had data loggers.

### 2.1 Simulator Setup

This flight simulator session used the X-Plane Airfoillabs Cessna C-172SP model located in DML 124 that occurred in early 2018 with various dates for the separate teams. Students came in prepared with knowledge of the various FTT's (Flight Test Techniques) being demonstrated (climbs, phugoids, and others) and recorded maneuver times, relevant panel readings including altitude and airspeed, and comments on data quality should a maneuver be inadequate.

Dr. Kidd explained the cockpit view and the various instrument readings including the altimeter, airspeed indicators, compass, and fuel gauge. Following a briefing on the simulator hardware, Dr. Kidd began steady flight from the previously paused session. He completed the following maneuvers effortlessly and in beautiful fashion: check climb, trim point and cruise, longitudinal stability, phugoid, short period, steady heading sideslips, Dutch roll, spiral mode, steep turns, slow flight and stall with power off and power on, level acceleration, and bank to bank roll. All these maneuvers took place at 4000 MSL and most of which at 90 KIAS.



**Figure 2. Dr. Kidd operating the X-Plane simulator**

Throughout this session, students would call out the upcoming maneuver and other students would record vital instrument data and the start and end times of each maneuver. Following the simulator session, the data file as produced by the simulator was released to students for analysis as described later.

## 2.2 Flight Setup

Several weeks following the sim session, students prepared to see many of these same FFT's done in a real aircraft in real time with the pilot in the cockpit. These flights were completed on C-172 aircraft from the Stillwater Regional Airport in Stillwater, OK.



Figure 3 A C-172 as utilized by OSU (<https://hiveminer.com/Tags/cessna,okstate>).

With their previously-chosen flight partners, the students prepared quick look forms to record data manually from each maneuver including time, altitude, airspeed, temperature, and heading. In case any maneuvers were done incorrectly, students would have the opportunity to ask the pilot to repeat the maneuver to get better data. Although the entire flight would be recorded by the Garmin 1000 Flight Deck (shown below), data was to be logged by hand in the event that the written data fails or is inadequate.

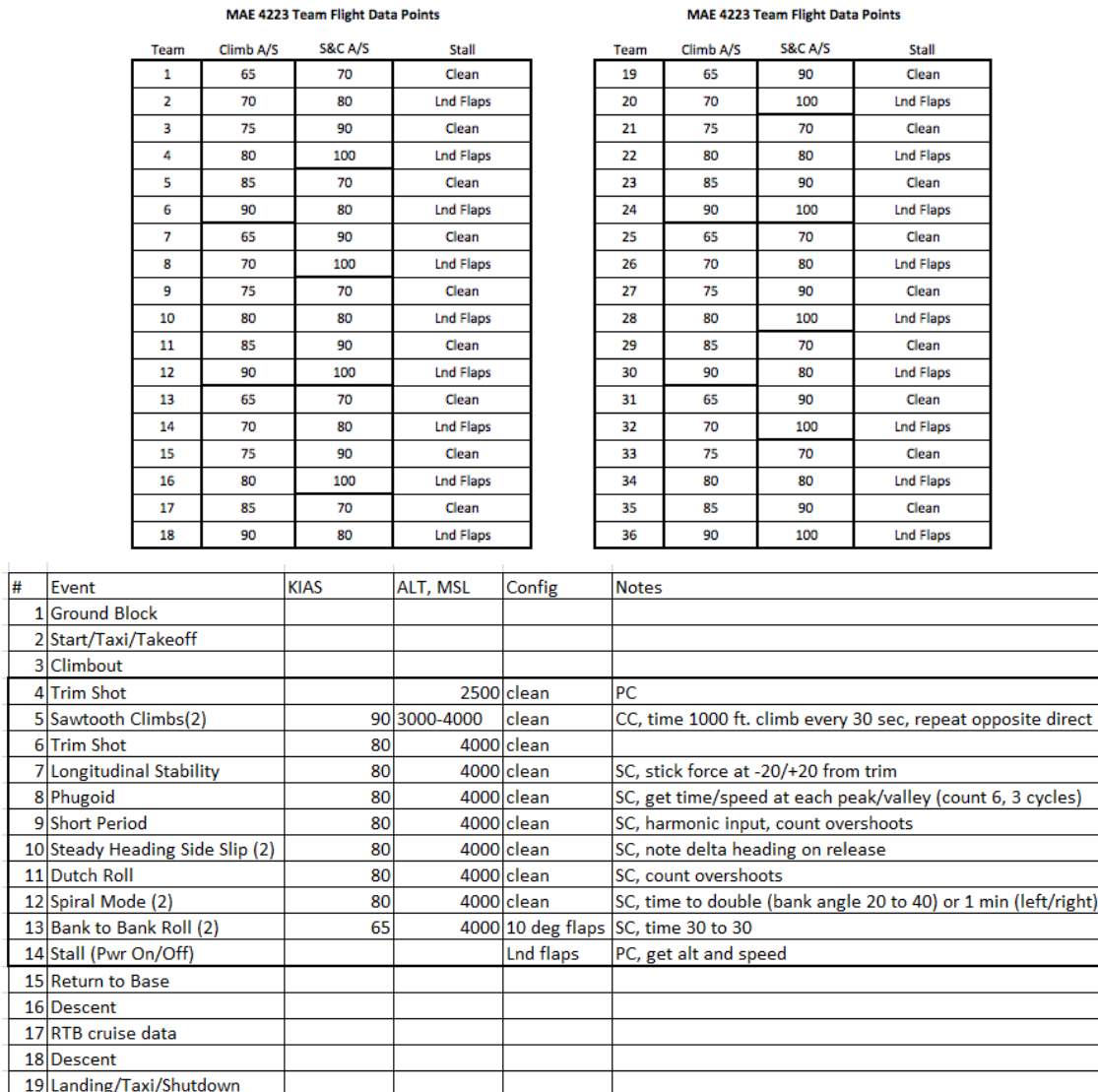
Flight data was collected multiple different days and times of day. Because of this, weather conditions varied along with quality of data. The data analysis in this report will make corrections, where able, to account for weather condition changes between data sets. If there are inconsistencies within the data, it may be removed with justification provided.



Figure 4 The Garmin 1000 Flight Deck (<https://www.aopa.org/news-and-media/all-news/2017/january/03/garmin-launches-new-generation-of-g1000-cockpit>).

### 3.0 Flight Test Procedures

On flight day, each pair of students met their pilot for the flight, the pilot debriefed them on the aircraft, aircraft number, safety, and what to do in the event of an emergency. Weather data and aircraft information also recorded including CG and start fuel. Following takeoff, each pilot flew to their respective airspace to complete maneuvers as called out by the copilot. One student would make the callouts, the other would be primarily responsible for recording the necessary data in flight. While the speeds varied, the following maneuvers were all completed at 4000 MSL: 2 climbs from 3000-4000 feet, longitudinal static stability, phugoid, short period, static directional stability (SHSS), Dutch roll, spiral mode, bank to bank, power off stall, and power on stall. The actual team maneuver assignments and an example test point card are shown in the figure below.



**Figure 5 Flight Test Point Assignments (top), C172 Test Point Card for Team 18 (bottom)**



For this report, the maneuvers of interest are climb, SHSS and power-on stall. Sawtooth climbs were each performed at one of six speeds: 65kts, 70kts, 75kts, 80kts, 85kts or 90kts. Each constant speed climb was performed twice at opposite headings. SHSS, where rudder and opposing aileron are applied for a zero yaw rate, were performed twice (left and right) at various maneuver speeds (70kts, 80kts, 90kts, 100kts). Stall will be analyzed in a clean configuration, noting the speed of stall at full throttle.

Following all test point maneuvers, the pilot returned the aircraft to the ground and final fuel readings were taken. The Garmin 1000 data was later released to students for analysis. Below is an image taken from Team 18 during their test flight.



**Figure 6 In-flight view of the Oklahoma landscape.**

## 4.0 Analysis Procedures

Each of the three flight maneuvers that will be analyzed in this report requires a different type of analysis. For example, the climb is a performance maneuver therefore it requires a normalization in order for different data sets to be compared. The two other maneuvers, SHSS and Power-on Stall, require less processing but do need to be scrutinized to ensure data quality before comparison.

### 4.1 Climb Analysis Procedure

As previously mentioned, climb flight performance testing was done at six different constant climb speeds for both the flight simulation and Cessna 172. Each of the seven simulator sessions and thirty-six C-172 flights did two climbs (with exceptions for weather) for a total of 96 climb data files. The goal of this analysis will be to compare the C-172 flight performance results against each other at the various climb speeds, then compare the averaged C-172 results at each speed to the simulator session results. Climb performance results will also be compared to the C-172 flight manual. The primary performance result used will be rate of climb (ROC). The quality of data will also be addressed by looking at flight test day commentary and comparing the actual climb speeds compared to the target climb speeds. The procedure for reducing the flight data and determining a value of ROC for each of the flight tests is detailed below:

#### Cessna 172

1. Compile each of the 36 Flight Team's flight data into a single excel sheet (found in Appendix C)
2. Trim and reduce the data as needed for the 3000-4000 ft. data band
3. Remove any data files not fit for analysis\*
4. Insert standard timescale in for 1 second intervals starting with 0 seconds at start of each since climb data was taken at 1 sample per second.
5. Using MSL altitude, determine the average ROC for the climb. Equation below:

$$ROC = \frac{End\ Altitude - Start\ Altitude}{time}$$

6. Collect ROC and other key information (Avg. RPM, Avg. OAT, Avg. IAS, Avg. TAS) in excel sheet (found in Appendix A)
7. Group data by each of the five climb speeds (found in Appendix A)
8. Using flight card info, compile aircraft weight and flight condition information in excel sheet (found in Appendix A)

#### Simulator

1. Compile each of the 7 simulator sessions climb data into single excel sheet (found in Appendix B)
2. Same as steps 2-8 above

Due to differences in flight conditions and aircraft factors such as weight, the ROC data collected during each of the test flights must be normalized in order to compare different flight tests. The AC 23-8C Flight Test Guide uses four different values to correct the ROC. These values are:  $ROC_{act}$ ,  $ROC_w$ ,  $ROC_{Di}$  and  $ROC_P$ . The equation below is given in the Flight Test Guide to calculate  $ROC_{std}$  [2].

$$ROC_{std} = ROC_{act} - ROC_w - ROC_{Di} + ROC_P$$

The values for  $ROC_{act}$ ,  $ROC_w$ ,  $ROC_{Di}$  were able to be calculated using the sequence of equations shown in appendix A.

As previously mentioned, due to differences in flight conditions and some issues in data reduction by teams not all data sets were able to be used. Below is a table of the flight data that will be analyzed for the various climb speeds.

Climb Target Speed	Team #	Climbs Performed	Comment for unused	Climb Target Speed	Team #	Climbs Performed	Comment for unused
65 kts	1	2		85 kts	5	2	
	7	1			11	2	
	13	0	not enough info		17	0	no parsed data
	19	0	no data headings		23	2	
	25	0	too little data		29	2	
	31	0	too little data	35	2		
70 kts	2	0	no change in alt.	90 kts	6	1	
	8	2			12	0	raw data missing
	14	1			18	2	
	20	0	too little data		24	2	
	26	0	data not parsed		30	2	
	32	0	no data	36	2		
75 kts	3	1					
	9	1					
	15	2					
	21	0	data out of range				
	27	2					
	33	2					
80 kts	4	0	couldn't open files				
	10	2					
	16	1					
	22	2					
	28	0	data out of range				
	34	0	too little data				

**Table 1 Data used for C172 climb maneuver analysis**

## 4.2 SHSS Analysis Procedure

The item of interest for the SHSS maneuver is the change in heading after the release of rudder and aileron. This value, delta heading, was determined by each team during initial data analysis. Therefore, the procedure for SHSS analysis will be to compile each of the 36 teams' values as well as simulator session values for delta heading. The values will be organized by

maneuver speed to be compared between different C-172 flights, then comparisons will be done between the C-172 and simulator sessions.

To assess the quality of each data set, flight cards will be read to check for comments from flight crews about issues with the maneuver. The table below displays each of the C-172 flight teams and the speed at which they performed the SHSS maneuver as well as which data sets will be used in the analysis.

	Team #	# of Test Points Used	Comment for unused		Team #	# of Test Points Used	Comment for unused
70 kts	1	2		90 kts	3	0	data issue
	5	2			7	0	data card issue
	9	2			11	2	
	13	0	data card issue		15	2	
	17	0	data issue		19	0	data card issue
	21	0	data card issue		23	2	
	25	0	data card issue		27	0	data card issue
	29	0	data card issue		31	2	
80 kts	33	2		35	2		
	2	0	data card issue	100 kts	4	2	
	6	2			8	0	data card issue
	10	2			12	2	
	14	2			16	2	
	18	2			20	2	
	22	2			24	2	
	26	2			28	0	data card issue
30	2		32		0	data card issue	
34	0	data card issue	36	2			

Table 2 Data used for C-172 SHSS maneuver analysis

### 4.3 Power-on Stall Analysis Procedure

Similar to SHSS, a single value of interest will be extracted from power-on stall data from each of the 36 flight teams and simulator session data. Each teams' value for speed when stall occurred will be compiled and organized by whether the maneuver used a clean configuration or landing-flaps configuration. The stall values for the C-172 flight will be compared to see the effect of using flaps. The flight data will then be compared to the simulator data.

Unlike climb and SHSS data, very few data sets for the power-on stall were removed. Data that was removed was due to values not being easily determined from some team's parsed data.

## 5.0 Analysis Results

The results presented here will cover data extracted from the 36 C-172 flights that were performed. Initially, three flight maneuvers were to be analyzed: Sawtooth Climb, SHSS and Power-on Stall. Due to inconsistencies throughout the values in the SHSS data, results for this maneuver will not be presented. Value for the SHSS for each of the 36 teams can be found in appendix A.

### 5.1 Climb Results

The averaged results for the C-172 climb maneuvers are shown in the table below.

Climb Speed (kts)	65	70	75	80	85	90
Average ROC (ft/min)	539	594	517	554	537	499
Standard Deviation (ft/min)	55	49	91	126	54	73
% Standard Deviation	10.0%	8.30%	17.60%	22.70%	10.0%	14.50%

Table 3 Average C-172 ROC values at different climb speeds

The average ROC values in the above table show that the ROC varies at different climb speeds. However, from the table no observable trend may be developed between ROC and climb speed. To better view and try and develop a trend, the average ROC values are plotted in the figure below.

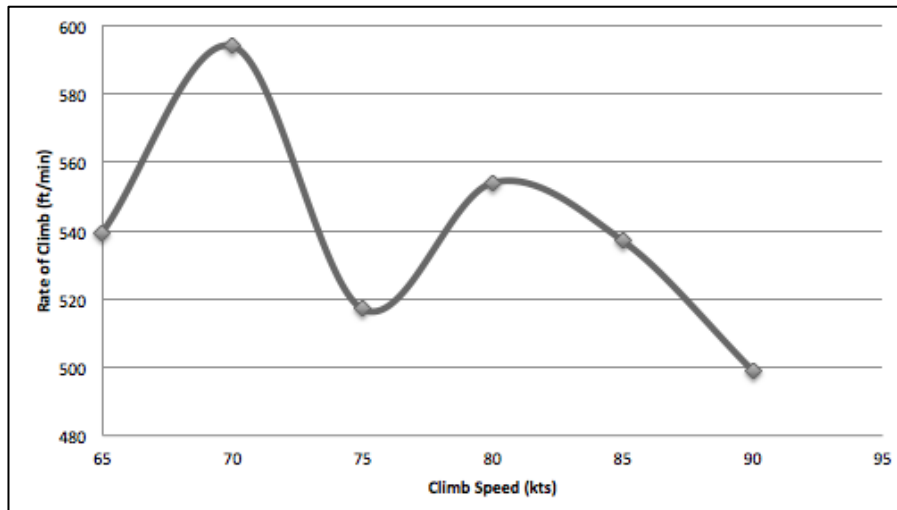


Figure 7 Graph of Average ROC values vs. Climb Speed

Even with the above graph showing ROC at different climb speeds, no trend is able to be developed. Referring back to table 3 above, this could be due to the large standard deviations found in the data sets. Only one of the 6 climb speeds had a standard deviation percent lower than 10 percent. These large deviations within each speed could have been due to issues with the data normalization. The full data set can be found in appendices A and C.

## 5.2 Power-on Stall Results

The expected trend of stall speed with and without the use of landing flaps was evident in the power-on stall data. Below is a table of stall speed averaged for the 18 teams that performed stalls in a clean configuration and for the 18 teams that used landing flaps.

	Clean	Flaps
Average Stall Speed (kts)	32.7	21.9
Standard Deviation (kts)	4.03	3.26
% Standard Deviation	12.30%	14.90%

Table 4 C-172 Power-on Stall Average Values

From the table it can be seen that the use of flaps lowers the power-on stall speed of the C-172 by over 10 knots. Somewhat questionable though, are the standard deviation of each stall speed data set which are both over 10 percent of the average value. In order to determine the cause of the spread in the data, flight conditions and aircraft information would need to be included in the analysis and have the data normalized for any differences.

## **6.0 Conclusions and Recommendations**

Summarily, this lab focused on the comparisons of a flight simulator to real data acquired in flight for various performance and handling characteristics of a general aviation aircraft. Normalization by the density altitude method was executed to create the most even benchmark possible for evaluating sets of climb data gathered by many groups of students at different times on different days. No observable trend was found between airspeed and rate of climb, but the use of flaps lowers the power-on stall speed of an aircraft.

Understanding and parsing flight data is no small task but is done to validate and further understand aircraft behavior throughout various performance and handling maneuvers.

## References

- [1] Cessna 172S Skyhawk Information Manual. 5th ed., Cessna, 2004.
- [2] “AC 23-8C - Flight Test Guide for Certification of Part 23 Airplanes.” FAA Seal, 14 Apr. 2017, [www.faa.gov/regulations\\_policies/advisory\\_circulars/index.cfm/go/document.information/documentID/1019676](http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/1019676).



## Appendix A

1.) Pressure alt. [ft] ( $H_p$ )

2.) OAT [ $^{\circ}F$ ],  $T_T$

3.) Atmos. density ratio,  $\sigma$

4.) Density alt. [ft] ( $H_d$ ) =  $145539[1 - (\sqrt{\sigma})^{4699}]$

5.) std. temp @  $H_p$  ( $T_s$ ) =  $T_T + 460$

6.) IAS [kts]

7.) CAS [kts] =  $TAS \sigma$

8.)  $TAS = \frac{CAS}{\sigma}$

9.) ROC [ft/min]  $\rightarrow$  calc. this

10.)  $\frac{T}{T_s} = \frac{T_T + 460}{T_s}$

11.)  $ROC_{act} = ROC \cdot \frac{T}{T_s}$

12.) Test weight,  $W_T$  (lbs)

13.)  $\Delta ROC_{\Delta W} = ROC_{act} \cdot \left[1 - \frac{W_T}{W_c}\right]$

\* Need to  
get  $W_c$

14.)  $q \pi e b^2 = CAS^2 \left[ \frac{\pi e b^2}{295} \right]$

15.)  $\Delta D = \frac{(W_c - W_T)^2}{CAS \cdot \frac{2 \pi e b^2}{295}}$

$$16.) \Delta(ROC) \Delta D_0 = \frac{101.27 (\Delta D) (TAS)}{W_c \rightarrow ?}$$

17.) RPM

18.) Mainfold Pressure (MP)

19.) Inlet air temp.

20.) Test day BHP - from App. 1

$$\text{Test day BHP} = [\text{BHP} + 0.025(\text{BHP})] \sqrt{\frac{460 + T_s}{460 + T_I}}$$

need:  
BHP  
 $T_I$

$$21.) \text{Test day } BHP_c = BHP_c \sqrt{\frac{460 + T_s @ H_d}{460 + T_s @ H_d + T_I \text{ rise}}}$$

$$22.) \Delta \text{Thrust } \text{HP} \text{ (THP)} = 20 - 21$$

$$23.) \Delta ROC_{\Delta P} = \frac{\Delta \text{THP} \cdot 33000}{W_c}$$

$$24.) \text{ROC}_{std} = \text{ROC}_{act} - \text{ROC}_{aws} - \Delta \text{ROC}_{\Delta D_0} + \Delta \text{ROC}_{\Delta P}$$

$$\frac{3500 - 3000}{4000 - 3000} = \frac{X - .9151}{.8880 - .9151}$$

	Team 1 (1)	Team 1 (2)	Team 3	Team 5	Team 5 (2)	Team 6	Team 7	Team 8	Team 8(2)	Team 9	Team 10	Team 10(2)	Team 11	Team 11(2)	Team 14	Team 15	Team 15 (2)	Team 16
Average ROC (ft/min)	531	476	394	484	496	471	610	649	604	441	539	720	509	505	530	622	597	337
Standard ROC (ft/min)	628.06	563.01	466.02	572.47	586.67	597.61	773.98	767.63	714.41	559.55	683.89	913.55	645.83	640.75	672.47	722.32	693.29	391.35
Average IAS (kts)	65.3	65.13	76.3	84.2	84	90	65.5	69.2	69.2	75.1	78	80	85	85	69.9	75.2	75.2	99.8
Average TAS (kts)	69.3	69	81.3	89.9	89.5	96	70.5	74.2	74.2	80.1	84	85.7	90.7	90.7	74.7	79.3	80.2	105.3
Average CAS* (kts)	62.48	62.21	73.30	81.05	80.69	86.55	63.56	66.90	66.90	72.21	75.73	77.26	81.77	81.77	67.35	71.49	72.30	94.93
Average RPM	2169	2173	2182	2243	2247	2503		2397	2400	2166	2223	2235	2479	2480	2192	2369	2374	2316
Average OAT (F)	55	55	55	55	55	59	59	55	55	59	59	59	59	59	59	54	54	54
Weight (lbs)	2420	2420	2250	2269	2269	2373		2418	2418	2476	2372	2372	2524	2524	2307	2339	2339	2351
Density ratio	0.90155																	
Std. Temp (F)	46.5																	
C172 Span (ft)	36.1																	
oswald eff	0.8																	

65	Average ROC (ft/min)	Team 1 (1)	Team 1 (2)	Team 7	average	stdev	%stdev											
		531	476	610	539	54.99696961	0.102035194											
	Average IAS (kts)	65.3	65.13	65.5														
	Average TAS (kts)	69.3	69	70.5														
	Average CAS* (kts)	62.477415	62.20695	63.559275														
	Average RPM	2169	2173															
70	Average ROC (ft/min)	Team 8	Team 8(2)	Team 14	average	stdev	%stdev											
		649	604	530	594.3333333	49.0600539	0.082546361											
	Average IAS (kts)	69.2	69.2	69.9														
	Average TAS (kts)	74.2	74.2	74.7														
	Average CAS* (kts)	66.89501	66.89501	67.35														
	Average RPM	2397	2400	2192														
75	Average ROC (ft/min)	Team 3	Team 9	Team 15	Team 15 (2)	Team 27	Team 27 (2)	Team 33	Team 33 (2)	average	stdev	%stdev						
		394	441	622	597	419	650	526	487	517	91.2441779	0.176487772						
	Average IAS (kts)	76.3	75.1	75.2	75.2	74	74.6	75	73.5									

	Average TAS (kts)	81.3	80.1	79.3	80.2	78.1	79.1	80	78.5					
	Average CAS* (kts)	73.30	72.21	71.49	72.30	70.41	71.31	72.12	70.77					
	Average RPM	2182	2166	2369	2374	2412	2422	2207	2212					
80	Average ROC (ft/min)	Team 10	Team 10(2)	Team 16	Team 22	Team 22 (2)	average	stdev	%stdev					
	Average IAS (kts)	539	720	337	618	557	554.2	125.6780013	0.22677373					
	Average TAS (kts)	78	80	99.8	80	80.3								
	Average CAS* (kts)	84	85.7	105.3	85	85.3								
	Average RPM	75.73	77.26	94.93	76.63	76.90								
	Average RPM	2223	2235	2316	2221	2228								
85	Average ROC (ft/min)	Team 5	Team 5 (2)	Team 11	Team 11(2)	Team 23	Team 23 (2)	Team 29	Team 29 (2)	Team 35	Team 35 (2)	average	stdev	%stdev
	Average IAS (kts)	484	496	509	505	576	566	592	652	479	517	537.6	53.54474764	0.099599605
	Average TAS (kts)	84.2	84	85	85	82.2	82.7	84.8	84.2	85.1	85.2			
	Average CAS* (kts)	89.9	89.5	90.7	90.7	87.2	87.7	89.8	89.1	90.6	90.8			
	Average RPM	81.05	80.69	81.77	81.77	78.62	79.07	80.96	80.33	81.68	81.86			
	Average RPM	2243	2247	2479	2480	2239	2249	2254	2254	2264	2267			
90	Average ROC (ft/min)	Team 6	Team 18	Team 18(2)	Team 24	Team 24 (2)	Team 30	Team 30 (2)	Team 36	Team 36 (2)	average	stdev	%stdev	
	Average IAS (kts)	471	438	652	560	425	526	458	421	541	499.1111111	72.54798327	0.145354374	
	Average TAS (kts)	90	90	89.2	91.9	90.1	88.7	88.8	87.6	88.7				
	Average CAS* (kts)	96	95	94.2	96.9	95.1	93.9	93.6	92.6	93.7				
	Average RPM	86.55	85.65	84.93	87.36	85.74	84.66	84.39	83.48	84.48				
	Average RPM	2503	2448	2495	2280	2278	2256	2257	2272	2291				

Team 18	Team 18(2)	Team 22	Team 22 (2)	Team 23	Team 23 (2)	Team 24	Team 24 (2)	Team 27	Team 27 (2)	Team 29	Team 29 (2)	Team 30	Team 30 (2)	Team 33	Team 33 (2)	Team 35	Team 35 (2)	Team 36	Team 36 (2)
438	652	618	557	576	566	560	425	419	650	592	652	526	458	526	487	479	517	421	541
508.65	757.16	717.68	646.84	706.06	693.81	650.32	493.55	495.59	768.82	700.22	771.18	622.15	541.72	678.71	628.39	618.06	667.10	534.17	686.43
90	89.2	80	80.3	82.2	82.7	91.9	90.1	74	74.6	84.8	84.2	88.7	88.8	75	73.5	85.1	85.2	87.6	88.7
95	94.2	85	85.3	87.2	87.7	96.9	95.1	78.1	79.1	89.8	89.1	93.9	93.6	80	78.5	90.6	90.8	92.6	93.7
85.65	84.93	76.63	76.90	78.62	79.07	87.36	85.74	70.41	71.31	80.96	80.33	84.66	84.39	72.12	70.77	81.68	81.86	83.48	84.48
2448	2495	2221	2228	2239	2249	2280	2278	2412	2422	2254	2254	2256	2257	2207	2212	2264	2267	2272	2291
54	54	54	54	57	57	54	54	55	55	55	55	55	55	60	60	60	60	59	59
2380	2380	2319	2319	2337	2337	2439	2439	2446	2446	2376	2376	2396	2396	2448	2448	2462	2462	2496	2496



Team #	Left Delta H	Right Delta H
1	30	15
5	30	27
9	27	20
13		
17	22	4
21		
25		
29 x	x	
33	24	24
2 x	x	
6	12	7
10	24	24
14	23	30
18	25	28
22	19	22
26	21	15
30	23	20
34 x	x	
3		
7 x	x	
11	6	6
15	21	19
19		
23	13	11
27 x	x	
31	23	24
35	20	15
4	20	20

8 x	x	
12	21	21
16	20	20
20	22	21
24	18	14
28 x	x	
32 x	x	
36	15	10



	Clean configuration		With Landing Flaps	
	Power-on Stall		Power-on	
Team #	Speed	Team #	Stall Speed	
1	30	2	-	
3		4	20	
5	30	6	23	
7 x		8	22	
9	36	10	20	
11	30	12	24	
13	33	14	20	
15	31	16	22	
17	38	18	25	
19		20	26	
21	35	22	18	
23	30	24 x		
25	28	26	15	
27	36	28	25	
29 x		30	20	
31		32 x		
33	27	34	28	
35	41	36	20	
Average	32.69230769		21.8666667	
stdev	4.026539178		3.26326353	
stdev %	12.3%		14.9%	

## Appendix C

#yyy-mm-d hh:mm:ss		Team 1 (both)						
Lcl Date	Lcl Time	inch	ft	msl	deg C	kt	rpm	kt
		BaroA	AltMSL	OAT	IAS	E1 RPM	TAS	
3/3/18	14:24:36	30.1	0	3002.5	15.2	66.28	2177.1	70
3/3/18	14:24:37	30.1	1	3014.2	15.2	65.54	2181.4	69
3/3/18	14:24:38	30.1	2	3025.4	15.2	65.39	2179.6	69
3/3/18	14:24:39	30.1	3	3037.3	15.2	65.41	2179	69
3/3/18	14:24:40	30.1	4	3049.3	15.2	64.65	2176.6	68
3/3/18	14:24:41	30.1	5	3060.3	15.2	63.75	2178.3	67
3/3/18	14:24:42	30.1	6	3070.2	15	64.09	2174.6	68
3/3/18	14:24:43	30.1	7	3078.8	15	63.21	2173.2	67
3/3/18	14:24:44	30.1	8	3088.1	15	64.29	2173	68
3/3/18	14:24:45	30.1	9	3096.6	15	65.73	2175	69
3/3/18	14:24:46	30.1	10	3104.5	15	64.96	2177.6	68
3/3/18	14:24:47	30.1	11	3112.6	15	65.02	2178.2	69
3/3/18	14:24:48	30.1	12	3120.4	15	65.42	2175	69
3/3/18	14:24:49	30.1	13	3128.5	15	65.28	2172.9	69
3/3/18	14:24:50	30.1	14	3136.9	15	65.4	2172.7	69
3/3/18	14:24:51	30.1	15	3146.2	14.8	65.51	2176.3	69
3/3/18	14:24:52	30.1	16	3156.7	14.8	65.13	2175.4	69
3/3/18	14:24:53	30.1	17	3167.1	14.8	64.96	2180.2	69
3/3/18	14:24:54	30.1	18	3177.6	14.8	65.1	2179.5	69
3/3/18	14:24:55	30.1	19	3187.8	14.8	64.48	2178.2	68
3/3/18	14:24:56	30.1	20	3198.7	14.8	65.76	2176	69
3/3/18	14:24:57	30.1	21	3209.3	14.8	65.99	2176.5	70
3/3/18	14:24:58	30.1	22	3220.6	14.8	66.19	2177.7	70

3/3/18 14:24:59	30.1	23	3233	14.8	65.89	2177.6	70
3/3/18 14:25:00	30.1	24	3245.9	14.8	66	2179.6	70
3/3/18 14:25:01	30.1	25	3258.9	14.8	66.07	2177	70
3/3/18 14:25:02	30.1	26	3271.2	14.8	65.78	2174.5	70
3/3/18 14:25:03	30.1	27	3283.7	14.8	65.5	2172.7	69
3/3/18 14:25:04	30.1	28	3295.7	14.8	64.43	2168.7	68
3/3/18 14:25:05	30.1	29	3307.2	14.8	63.13	2168.4	67
3/3/18 14:25:06	30.1	30	3317.7	14.8	63.53	2170	67
3/3/18 14:25:07	30.1	31	3326.3	14.8	63.64	2168.5	67
3/3/18 14:25:08	30.1	32	3334.7	14.8	62.61	2168	66
3/3/18 14:25:09	30.1	33	3343.2	14.8	61.74	2166.7	65
3/3/18 14:25:10	30.1	34	3352.2	14.8	63.27	2168.1	67
3/3/18 14:25:11	30.1	35	3361.2	14.8	63.97	2170.6	68
3/3/18 14:25:12	30.1	36	3369.6	14.8	64.4	2172.2	68
3/3/18 14:25:13	30.1	37	3377.4	14.8	64.48	2170.8	68
3/3/18 14:25:14	30.1	38	3384.8	14.8	64.42	2168.1	68
3/3/18 14:25:15	30.1	39	3391.5	14.8	64.31	2168.3	68
3/3/18 14:25:16	30.1	40	3398.5	14.8	64.92	2170.2	69
3/3/18 14:25:17	30.1	41	3405.2	14.8	65.88	2172.3	70

3/3/18	14:25:18	30.1	42	3412.3	14.8	66.26	2174.7	70
3/3/18	14:25:19	30.1	43	3421	14.8	66.49	2173.9	70
3/3/18	14:25:20	30.1	44	3430.6	14.5	66.14	2172.5	70
3/3/18	14:25:21	30.1	45	3439.1	14.5	66.01	2173.9	70
3/3/18	14:25:22	30.1	46	3447	14.5	65.35	2172.4	69
3/3/18	14:25:23	30.1	47	3454.8	14.5	67.71	2175.4	72
3/3/18	14:25:24	30.1	48	3464	14.5	68.89	2176.1	73
3/3/18	14:25:25	30.1	49	3472.1	14.5	69.17	2176.7	73
3/3/18	14:25:26	30.1	50	3481.4	14.5	67.37	2174.6	71
3/3/18	14:25:27	30.1	51	3489.5	14.2	67.01	2173.7	71
3/3/18	14:25:28	30.1	52	3498.6	14.2	67.1	2173.9	71
3/3/18	14:25:29	30.1	53	3508	14.2	67.05	2174.4	71
3/3/18	14:25:30	30.1	54	3519.1	14.2	66.52	2174.5	71
3/3/18	14:25:31	30.1	55	3528	14.2	68.36	2175	73
3/3/18	14:25:32	30.1	56	3537.8	14.2	67.21	2173.5	71
3/3/18	14:25:33	30.1	57	3547.6	14.2	66.95	2172.1	71
3/3/18	14:25:34	30.1	58	3555.5	14.2	67.19	2172.8	71
3/3/18	14:25:35	30.1	59	3563.2	14.2	67.04	2170.6	71
3/3/18	14:25:36	30.1	60	3570.5	14	66.21	2170.2	70
3/3/18	14:25:37	30.1	61	3577.9	14	66.25	2170.2	70
3/3/18	14:25:38	30.1	62	3585.3	14	66.48	2170	71
3/3/18	14:25:39	30.1	63	3592.6	14	66.28	2169.6	70
3/3/18	14:25:40	30.1	64	3601.9	14	66.27	2170.4	70
3/3/18	14:25:41	30.1	65	3611.5	14	66.28	2168.5	70
3/3/18	14:25:42	30.1	66	3621.1	14	66.19	2167.5	70
3/3/18	14:25:43	30.1	67	3631.3	14	65.99	2167.7	70
3/3/18	14:25:44	30.1	68	3641.7	13.8	66.42	2167.3	71
3/3/18	14:25:45	30.1	69	3651.7	13.8	64.91	2166.6	69
3/3/18	14:25:46	30.1	70	3660.8	13.8	65.36	2164.7	69
3/3/18	14:25:47	30.1	71	3670.4	13.8	64.96	2166.2	69

3/3/18	14:25:48	30.1	72	3679.8	13.8	64.47	2169.3	69
3/3/18	14:25:49	30.1	73	3690.4	13.8	64.45	2164.4	69
3/3/18	14:25:50	30.1	74	3700	13.8	64.3	2165.2	68
3/3/18	14:25:51	30.1	75	3708.8	13.8	63.88	2164.9	68
3/3/18	14:25:52	30.1	76	3717.7	13.8	64.66	2163.5	69
3/3/18	14:25:53	30.1	77	3727	13.5	65.61	2164.1	70
3/3/18	14:25:54	30.1	78	3735.8	13.5	65.56	2166.9	70
3/3/18	14:25:55	30.1	79	3744.5	13.5	65.47	2166.9	70
3/3/18	14:25:56	30.1	80	3753.4	13.5	65.3	2168.2	69
3/3/18	14:25:57	30.1	81	3762.1	13.5	65.42	2166.6	70
3/3/18	14:25:58	30.1	82	3771.3	13.5	65.63	2166.5	70
3/3/18	14:25:59	30.1	83	3780.3	13.5	65.83	2167.3	70
3/3/18	14:26:00	30.1	84	3789.7	13.5	65.62	2167.8	70
3/3/18	14:26:02	30.1	85	3806.4	13.5	66.4	2167.9	71
3/3/18	14:26:03	30.1	86	3814.4	13.5	65.86	2167.4	70

3/3/18	14:26:04	30.1	87	3822.6	13.5	65.09	2165.4	69
3/3/18	14:26:05	30.1	88	3830.2	13.5	65.34	2166.8	70
3/3/18	14:26:06	30.1	89	3838.2	13.2	65.1	2162.8	69
3/3/18	14:26:07	30.1	90	3846.6	13.2	65.17	2163.6	69
3/3/18	14:26:08	30.1	91	3854.8	13.2	64.69	2161.1	69
3/3/18	14:26:09	30.1	92	3863.8	13.2	64.11	2161	68
3/3/18	14:26:10	30.1	93	3872.4	13.2	62.83	2160.3	67
3/3/18	14:26:11	30.1	94	3881.3	13.2	64.11	2157.1	68
3/3/18	14:26:12	30.1	95	3889.6	13.2	63.3	2158.1	67
3/3/18	14:26:13	30.1	96	3897.2	13.2	62.22	2161.3	66
3/3/18	14:26:14	30.1	97	3904.5	13.2	63.92	2160.1	68
3/3/18	14:26:15	30.1	98	3909.6	13.2	64.04	2158.9	68
3/3/18	14:26:16	30.1	99	3915.3	13.2	63.57	2158.5	68
3/3/18	14:26:17	30.1	100	3921.5	13.2	64.81	2162.8	69
3/3/18	14:26:18	30.1	101	3927.2	13.2	64.75	2162.7	69
3/3/18	14:26:19	30.1	102	3931.6	13.2	63.25	2159.9	67
3/3/18	14:26:20	30.1	103	3937.3	13.2	64.59	2162.7	69
3/3/18	14:26:21	30.1	104	3943.7	13.2	65.14	2162.1	70
3/3/18	14:26:22	30.1	105	3949.2	13.2	64.14	2160.6	68
3/3/18	14:26:23	30.1	106	3953.7	13.2	64.17	2160.6	68
3/3/18	14:26:24	30.1	107	3957.8	13.2	64.73	2162.1	69
3/3/18	14:26:25	30.1	108	3963.7	13	65.14	2162.3	70
3/3/18	14:26:26	30.1	109	3972.3	13	66.34	2161.6	71
3/3/18	14:26:27	30.1	110	3979.6	13	66.97	2162.6	71
3/3/18	14:26:28	30.1	111	3986.9	13	66.11	2165.2	71
3/3/18	14:26:29	30.1	112	3994.8	13	66.85	2162.6	71
3/3/18	14:26:30	30.1	113	4002.6	13	64.42	2163.3	69
climb 2						65.300789	2169.5518	69.254386
3/3/18	14:30:17	30.1	0	3006.1	14.8	65.55	2185.4	69
3/3/18	14:30:18	30.1	1	3012.4	14.8	64.5	2184.6	68

3/3/18	14:30:19	30.1	2	3020.9	14.8	66.78	2184.3	70
3/3/18	14:30:20	30.1	3	3028.8	14.8	66.39	2182.4	70
3/3/18	14:30:21	30.1	4	3036.2	14.8	66	2184.3	69
3/3/18	14:30:22	30.1	5	3045.2	14.8	65.5	2186.6	69
3/3/18	14:30:23	30.1	6	3053.3	14.8	64.81	2187	68
3/3/18	14:30:24	30.1	7	3060.8	14.8	65.3	2184.7	69
3/3/18	14:30:25	30.1	8	3066.7	14.8	65.54	2186.2	69
3/3/18	14:30:26	30.1	9	3072.3	14.8	65.37	2181.8	69
3/3/18	14:30:27	30.1	10	3079.5	14.8	67.37	2187.3	71
3/3/18	14:30:28	30.1	11	3086.7	14.5	65.94	2183	69
3/3/18	14:30:29	30.1	12	3094.2	14.5	65.71	2183.2	69
3/3/18	14:30:30	30.1	13	3102.9	14.5	65.82	2181.5	69
3/3/18	14:30:31	30.1	14	3111.1	14.5	65.23	2180.4	69
3/3/18	14:30:32	30.1	15	3118.3	14.5	64.27	2178.2	68
3/3/18	14:30:33	30.1	16	3125.4	14.5	64.55	2177.8	68

3/3/18	14:30:34	30.1	17	3133	14.5	64.65	2179.1	68
3/3/18	14:30:35	30.1	18	3141.6	14.5	63.73	2180.1	67
3/3/18	14:30:36	30.1	19	3150.3	14.5	63.63	2177.4	67
3/3/18	14:30:37	30.1	20	3161.6	14.5	65.72	2182.1	69
3/3/18	14:30:38	30.1	21	3175.1	14.5	64.77	2180	68
3/3/18	14:30:39	30.1	22	3188.1	14.5	64.5	2182.1	68
3/3/18	14:30:40	30.1	23	3201.9	14.2	63.59	2178.3	67
3/3/18	14:30:41	30.1	24	3214.6	14.2	63.09	2179.3	67
3/3/18	14:30:42	30.1	25	3225.3	14.2	61.68	2172.6	65
3/3/18	14:30:43	30.1	26	3235.6	14.2	62.34	2172.2	66
3/3/18	14:30:44	30.1	27	3245.7	14.2	62.13	2174.8	66
3/3/18	14:30:45	30.1	28	3255.4	14.2	61.62	2170.5	65
3/3/18	14:30:46	30.1	29	3263.5	14.2	62.29	2175.7	66
3/3/18	14:30:47	30.1	30	3271.7	14.2	63.63	2175.2	67
3/3/18	14:30:48	30.1	31	3279	14.2	63.33	2177.8	67
3/3/18	14:30:49	30.1	32	3286	14.2	63.99	2174.3	68
3/3/18	14:30:50	30.1	33	3292.2	14.2	64.55	2175.2	68
3/3/18	14:30:51	30.1	34	3298.7	14.2	65.27	2176.6	69
3/3/18	14:30:52	30.1	35	3306.6	14.2	65.41	2176.2	69
3/3/18	14:30:53	30.1	36	3315.5	14.2	65.89	2180.3	70
3/3/18	14:30:54	30.1	37	3325.1	14.2	66.38	2181.3	70
3/3/18	14:30:55	30.1	38	3335.4	14	68.04	2180.3	72
3/3/18	14:30:56	30.1	39	3344.3	14	66.04	2178.4	70
3/3/18	14:30:57	30.1	40	3355.8	14	65.74	2178.8	69
3/3/18	14:30:58	30.1	41	3366.4	14	64.86	2174	69
3/3/18	14:30:59	30.1	42	3376.6	14	65.23	2171.4	69
3/3/18	14:31:00	30.1	43	3385.6	14	64.7	2174.5	68
3/3/18	14:31:01	30.1	44	3394.1	14	63.2	2174.1	67
3/3/18	14:31:02	30.1	45	3403	14	62.04	2175.3	66
3/3/18	14:31:03	30.1	46	3411.6	14	62.83	2170.6	66



3/3/18	14:31:04	30.1	47	3419.9	14	64.64	2169.1	68
3/3/18	14:31:05	30.1	48	3429.3	14	66.52	2174.8	70
3/3/18	14:31:06	30.1	49	3439.7	14	65.47	2177.8	69
3/3/18	14:31:07	30.1	50	3448.7	14	64.44	2177.1	68
3/3/18	14:31:08	30.1	51	3456.6	13.8	65.35	2173.5	69
3/3/18	14:31:09	30.1	52	3464.5	13.8	66.13	2177.7	70
3/3/18	14:31:10	30.1	53	3472.8	13.8	65.51	2182.7	69
3/3/18	14:31:11	30.1	54	3481.2	13.8	65.94	2177.3	70
3/3/18	14:31:12	30.1	55	3490.7	13.8	65.49	2177.1	69
3/3/18	14:31:13	30.1	56	3502.6	13.8	65.67	2175.4	70
3/3/18	14:31:14	30.1	57	3513.2	13.8	63.83	2170.6	68
3/3/18	14:31:15	30.1	58	3522.4	13.8	64.15	2171.9	68
3/3/18	14:31:16	30.1	59	3532.4	13.8	65.47	2172.1	69
3/3/18	14:31:17	30.1	60	3542.4	13.8	66.72	2175.5	71
3/3/18	14:31:18	30.1	61	3551.8	13.8	64.18	2174.7	68
3/3/18	14:31:19	30.1	62	3560.1	13.8	64.57	2171.5	68

3/3/18	14:31:20	30.1	63	3567.8	13.5	65.9	2171.5	70
3/3/18	14:31:21	30.1	64	3575.2	13.5	65.86	2174.1	70
3/3/18	14:31:22	30.1	65	3580.9	13.5	66.21	2172	70
3/3/18	14:31:23	30.1	66	3587.4	13.5	65.76	2172.8	70
3/3/18	14:31:24	30.1	67	3593.3	13.5	64.66	2170.9	69
3/3/18	14:31:25	30.1	68	3598.8	13.5	64.85	2172.1	69
3/3/18	14:31:26	30.1	69	3602.8	13.5	64.87	2173.6	69
3/3/18	14:31:27	30.1	70	3609.1	13.5	63.36	2169.5	67
3/3/18	14:31:28	30.1	71	3616.4	13.5	62.32	2169.2	66
3/3/18	14:31:29	30.1	72	3623.2	13.5	64.72	2170.6	69
3/3/18	14:31:30	30.1	73	3631.3	13.5	66.85	2174.7	71
3/3/18	14:31:31	30.1	74	3639.1	13.2	68.03	2172	72
3/3/18	14:31:32	30.1	75	3647.3	13.2	67.4	2173.4	72
3/3/18	14:31:33	30.1	76	3656.7	13.2	67.92	2174.5	72
3/3/18	14:31:34	30.1	77	3665.4	13.2	67.69	2176.6	72
3/3/18	14:31:35	30.1	78	3674.6	13.2	66.86	2173.8	71
3/3/18	14:31:36	30.1	79	3683.8	13.2	66.7	2174	71
3/3/18	14:31:37	30.1	80	3692.8	13.2	65.87	2175.7	70
3/3/18	14:31:38	30.1	81	3699.7	13.2	65.46	2170.7	70
3/3/18	14:31:39	30.1	82	3705.5	13.2	64.76	2170.6	69
3/3/18	14:31:40	30.1	83	3712	13.2	63.64	2167.9	68
3/3/18	14:31:41	30.1	84	3718.3	13.2	64.24	2168.6	68
3/3/18	14:31:42	30.1	85	3723.7	13.2	64.67	2167.3	69
3/3/18	14:31:43	30.1	86	3728.1	13.2	65.14	2166.4	69
3/3/18	14:31:44	30.1	87	3733.2	13	65.09	2172.9	69
3/3/18	14:31:45	30.1	88	3737.3	13	65.05	2170	69
3/3/18	14:31:46	30.1	89	3742.2	13	64.74	2170.9	69
3/3/18	14:31:47	30.1	90	3747.9	13	65.11	2170.6	69
3/3/18	14:31:48	30.1	91	3753.9	13	65.12	2175	69
3/3/18	14:31:49	30.1	92	3760.8	13	66.13	2172.2	70
3/3/18	14:31:50	30.1	93	3767.4	13	66.29	2169.7	70

3/3/18	14:31:51	30.1	94	3774.1	13	66.16	2170.9	70
3/3/18	14:31:52	30.1	95	3781.5	13	65.12	2170.8	69
3/3/18	14:31:53	30.1	96	3789.3	13	66.29	2175.1	71
3/3/18	14:31:54	30.1	97	3797.9	13	68.14	2174.6	72
3/3/18	14:31:55	30.1	98	3808.2	13	68.07	2178.4	72
3/3/18	14:31:56	30.1	99	3818.2	13	66.59	2173.3	71
3/3/18	14:31:57	30.1	100	3825.5	13	64.42	2168.3	69
3/3/18	14:31:58	30.1	101	3831.3	13	66.49	2168.2	71
3/3/18	14:31:59	30.1	102	3837.9	13	66.04	2167.6	70
3/3/18	14:32:00	30.1	103	3843.6	13	64.42	2166.3	69
3/3/18	14:32:01	30.1	104	3848.6	13	64.26	2164.2	68
3/3/18	14:32:02	30.1	105	3852.3	13	63.99	2164.4	68
3/3/18	14:32:03	30.1	106	3857.3	13	63.58	2164.9	68
3/3/18	14:32:04	30.1	107	3863.1	12.8	64.15	2163.6	68
3/3/18	14:32:05	30.1	108	3867.8	12.8	63.77	2163.3	68
3/3/18	14:32:06	30.1	109	3873.2	12.8	64.31	2163.6	68

3/3/18	14:32:07	30.1	110	3878.9	12.8	64.99	2166.2	69
3/3/18	14:32:08	30.1	111	3886	12.8	64.91	2167.2	69
3/3/18	14:32:09	30.1	112	3892	12.8	64.78	2169.8	69
3/3/18	14:32:10	30.1	113	3898.7	12.8	65.05	2168.7	69
3/3/18	14:32:11	30.1	114	3905.9	12.8	65.23	2168.1	70
3/3/18	14:32:12	30.1	115	3913.5	12.8	66.35	2168.3	71
3/3/18	14:32:13	30.1	116	3920.8	12.8	65.58	2168.4	70
3/3/18	14:32:14	30.1	117	3927.5	12.8	65.38	2169.1	70
3/3/18	14:32:15	30.1	118	3935.7	12.8	66.12	2169.9	70
3/3/18	14:32:16	30.1	119	3944.2	12.8	66.86	2171.2	71
3/3/18	14:32:17	30.1	120	3950	12.8	63.92	2167.4	68
3/3/18	14:32:18	30.1	121	3955.5	12.8	66.07	2168.7	70
3/3/18	14:32:19	30.1	122	3962.4	12.8	65.57	2167.4	70
3/3/18	14:32:20	30.1	123	3968.4	12.8	64.16	2164.9	68
3/3/18	14:32:21	30.1	124	3973.1	12.8	64.84	2166.2	69
3/3/18	14:32:22	30.1	125	3981.1	12.8	65.91	2168	70
3/3/18	14:32:23	30.1	126	3989	12.8	63.75	2165	68
3/3/18	14:32:24	30.1	127	3997.5	12.8	66.98	2168.9	71
			222			65.133594	2173.9117	69

223

224

225

226

227

228

229

230

231

232

## Team 2 (1)

hh:mm:ss	inch	ft msl	deg C	kt	deg	kt	deg
Lcl Time	BaroA	AltMSL	OAT	IAS	HDG	WndSpd	WndDr
10:48:12	29.82	4449.4	14.8	78.92	82.4	12.66	78
10:48:13	29.82	4449.5	14.8	79.09	81.7	12.69	77.5
10:48:14	29.82	4450.3	14.8	79.71	80.7	12.72	76.9
10:48:15	29.82	4450.6	14.8	80.23	80.4	12.76	76.4
10:48:16	29.82	4450.8	14.8	80.69	80	12.8	75.7
10:48:17	29.82	4450.3	14.8	81.11	79.7	12.85	75.1
10:48:18	29.82	4449.2	14.8	81.66	79.3	12.9	74.4
10:48:19	29.82	4446.7	14.5	82.03	79	12.96	73.8
10:48:21	29.82	4441.9	14.5	82.91	77.4	13.08	72.6
10:48:22	29.82	4439.7	14.5	83.04	77.1	13.14	72
10:48:23	29.82	4440.1	14.5	83	76.9	13.2	71.5
10:48:24	29.82	4440.3	14.5	82.96	76.3	13.25	71
10:48:25	29.82	4441.2	14.5	82.98	75.7	13.31	70.5
10:48:26	29.82	4441.8	14.5	82.88	75.4	13.36	70.1
10:48:27	29.82	4442.4	14.5	82.68	75.3	13.41	69.7
10:48:28	29.82	4443.1	14.5	82.46	75.1	13.46	69.4
10:48:29	29.82	4443	14.5	82.43	74.6	13.5	69.1
10:48:30	29.82	4442.4	14.5	82.56	74.7	13.54	68.9
10:48:31	29.82	4441.2	14.5	82.34	74.8	13.58	68.7
10:48:32	29.82	4439.8	14.5	82.4	74.1	13.61	68.6
10:48:33	29.82	4438.4	14.5	82.62	74.1	13.64	68.5
10:48:34	29.82	4436.1	14.5	82.29	75.3	13.66	68.5
10:48:35	29.82	4434.8	14.5	81.19	77.5	13.68	68.6
10:48:36	29.82	4433.2	14.5	79.61	80.2	13.69	68.9
10:48:37	29.82	4431.1	14.5	77.61	81.6	13.7	69.5
10:48:38	29.82	4427.2	14.5	77.25	80.8	13.73	70.5

10:48:39	29.82	4421.8	14.5	77.22	80.2	13.75	71.9
10:48:40	29.82	4416.2	14.5	76.32	80.4	13.79	73.5
10:48:41	29.82	4405.9	14.8	74.51	79.5	13.84	75.5
10:48:43	29.82	4387.6	14.8	72.69	76	14.02	80.5
10:48:44	29.82	4375.9	14.8	72.15	73.6	14.15	83.5
10:48:45	29.82	4364.2	14.8	73	70.4	14.31	86.8
10:48:46	29.82	4353.8	14.8	73.94	70.1	14.49	90.5
10:48:47	29.82	4347.6	14.8	73.95	70.2	14.72	94.3
10:48:48	29.82	4342	14.8	74.1	71.4	14.99	98.4
10:48:49	29.82	4337.5	14.8	73.5	72.7	15.31	102.7
10:48:50	29.82	4331.2	14.8	73.79	74.1	15.67	107
10:48:51	29.82	4320.7	14.8	73.74	74.9	16.08	111.3
10:48:52	29.82	4307.6	14.8	74.5	75.4	16.52	115.5
10:48:53	29.82	4291.6	14.8	75.32	76	16.98	119.7
10:48:54	29.82	4275	14.8	75.73	76.3	17.45	123.6
10:48:55	29.82	4260.1	14.8	75.63	76.2	17.92	127.4

10:48:56	29.82	4250.5	14.8	75.37	75.7	18.4	131
10:48:57	29.82	4244.4	14.8	76.35	75	18.87	134.3
10:48:58	29.82	4237.3	14.8	76.53	74.6	19.33	137.4
10:48:59	29.82	4231.9	14.8	76.15	74.1	19.78	140.2
10:49:01	29.82	4221.1	14.8	75.66	72.4	20.62	145.2
10:49:02	29.82	4213	14.8	76.65	70.3	21.02	147.3
10:49:03	29.82	4205.8	14.8	81.18	54.8	21.38	149.1
10:49:04	29.82	4202.7	14.8	90.11	49.9	21.65	150.5
10:49:05	29.82	4197.4	14.8	89.53	53.6	21.83	151.3
10:49:06	29.82	4192.7	14.8	88.14	52.1	21.93	151.6
10:49:07	29.82	4189.9	14.5	89.25	50	21.96	151.3
10:49:08	29.82	4188.4	14.5	89.56	50.7	21.91	150.5
10:49:09	29.82	4188.1	14.5	89.07	51.3	21.8	149.2
10:49:10	29.82	4188.5	14.8	88.86	51.6	21.63	147.6
10:49:11	29.82	4191.3	14.8	88.59	52.6	21.43	145.4
10:49:12	29.82	4194.1	14.8	88.05	54.4	21.19	142.9
10:49:13	29.82	4197.3	14.8	87.53	56.4	20.92	140.1
10:49:14	29.82	4200.2	14.8	87.09	59.6	20.62	136.8
10:49:15	29.82	4201.8	14.8	86.45	63.3	20.31	133.4
10:49:16	29.82	4202.6	14.8	86.08	67.4	19.99	129.7
10:49:17	29.82	4201.3	14.8	85.68	72	19.67	126
10:49:18	29.82	4199.1	14.8	85.54	76.2	19.34	122.4
10:49:19	29.82	4196.6	14.8	85.55	81	19.01	118.9
10:49:20	29.82	4195.3	14.8	84.66	84.6	18.68	115.7
10:49:21	29.82	4196	14.8	84.18	85.4	18.34	112.8
10:49:22	29.82	4199.4	14.8	84.36	84	17.98	110.3
10:49:23	29.82	4205.4	14.8	84.19	82.9	17.62	108
10:49:24	29.82	4212	14.8	83.52	82.1	17.26	105.6
10:49:25	29.82	4217.7	14.8	82.91	81.1	16.9	103.3
10:49:26	29.82	4221.6	14.8	82.32	80.9	16.56	101.1



10:49:27	29.82	4223.9	15	81.57	80.7	16.22	98.8
10:49:28	29.82	4225	15	81.44	79.7	15.91	96.6
10:49:29	29.82	4224.1	15	81.55	79	15.61	94.4
10:49:30	29.82	4222	15	81.58	78.4	15.32	92.3
10:49:31	29.82	4218.6	15	81.97	77.5	15.06	90.2
10:49:32	29.82	4215.1	15	82.28	76.8	14.81	88.2
10:49:33	29.82	4211.2	15	82.77	73.6	14.58	86.3
10:49:34	29.82	4208.1	15	84.08	69.7	14.38	84.4
10:49:36	29.82	4198.3	15	85.53	69.5	14.11	80.4
10:49:37	29.82	4189.4	15	86.81	69.9	14.05	78.3
10:49:38	29.82	4176.1	15	88.15	69.8	14.04	76.2
10:49:39	29.82	4163.8	15	89.55	69.1	14.08	74
10:49:40	29.82	4146	14.8	91.35	69.9	14.18	71.9
10:49:41	29.82	4127.7	14.8	92.92	70.8	14.36	69.6
10:49:42	29.82	4107.5	14.8	94.67	72.7	14.6	67.4

10:49:43	29.82	4093.3	14.8	95.61	72.4	14.91	65.2
10:49:44	29.82	4078.6	14.8	96.76	72.9	15.29	63
10:49:45	29.82	4065.8	14.8	97.13	73.6	15.74	60.8
10:49:46	29.82	4056.4	14.8	97.44	73.6	16.25	58.7
10:49:47	29.82	4052.9	14.8	96.69	73.7	16.82	56.6
10:49:48	29.82	4051.2	14.8	96.37	73.6	17.44	54.5
10:49:49	29.82	4049.8	14.8	95.48	73.6	18.1	52.4
10:49:50	29.82	4048.9	14.8	94.49	74.9	18.79	50.4
10:49:51	29.82	4050.8	14.8	92.92	90.4	19.47	48.5
10:49:52	29.82	4051.5	14.8	87.83	94.6	20.08	47
10:49:53	29.82	4051	15	89.18	93.2	20.56	45.9
10:49:54	29.82	4049.6	15	90.42	98	20.92	45.3
10:49:55	29.82	4047	15	89.49	103.9	21.17	45.1
10:49:56	29.82	4045.7	15	88.28	107.1	21.31	45.1
10:49:57	29.82	4047.9	15	87.6	107.4	21.36	45.6
10:49:58	29.82	4053.2	15	87.13	105.6	21.3	46.3
10:49:59	29.82	4062	15	86.65	103.9	21.17	47.2
10:50:00	29.82	4070.7	15	85.65	102.3	20.98	48.1
10:50:01	29.82	4077.8	15	84.79	99.7	20.76	49.1
10:50:02	29.82	4083.2	15	84.16	98.1	20.5	50.2
10:50:03	29.82	4087.8	15.2	83.28	97	20.23	51.1
10:50:05	29.82	4090.3	15.2	82.69	92.9	19.64	53.1
10:50:06	29.82	4089.7	15.2	82.56	91.3	19.33	53.9
10:50:08	29.82	4087.4	15.2	82.47	89.7	18.7	55.5
10:50:09	29.82	4088.2	15.2	82.24	88.2	18.38	56.2
10:50:10	29.82	4090.6	15.2	82.01	87	18.05	56.8
10:50:11	29.82	4095.8	15.2	81.57	86	17.73	57.4
10:50:12	29.82	4100.3	15.2	80.82	84.7	17.42	57.9
10:50:13	29.82	4103.9	15.2	80.22	83.4	17.11	58.3

10:50:14	29.82	4106.6	15.2	79.85	81.9	16.8	58.7
10:50:15	29.82	4108.6	15.2	79.73	80.7	16.51	58.9







		Team 3 (1)					
deg	hh:mm:ss	ft msl		kt	fpm	gals	gals
Starting Heading	Lcl Time	AltMSL		IAS	VSpd	FQtyL	FQtyR
	82 14:26:33	0	3004.4	84.07	535.48	8.33	10.55
	82 14:26:34	1	3015.8	82.08	567.36	8.51	10.29
	82 14:26:35	2	3026.4	81	605.49	8.51	10.29
	82 14:26:36	3	3037.4	80.77	619.44	8.56	10.15
	82 14:26:37	4	3046.4	80.2	691.93	8.56	10.1
	82 14:26:38	5	3055.8	79.27	550.75	8.46	10.05
	82 14:26:39	6	3067.9	78.73	422.59	8.38	9.98
	82 14:26:40	7	3078.3	79.55	570.22	8.33	9.93
	82 14:26:41	8	3087.8	78.43	582.62	8.33	9.93
	82 14:26:42	9	3095.8	78.78	548.53	8.23	9.88
	82 14:26:43	10	3106.9	76.62	385.21	8.15	9.83
	82 14:26:44	11	3115.9	78.67	533.11	8.15	9.78
	82 14:26:45	12	3121.1	75.85	622.74	8.05	9.85
	82 14:26:46	13	3126.7	77.96	644.46	7.95	9.85
	82 14:26:47	14	3129.6	74.56	440.6	7.82	9.98
	82 14:26:48	15	3133.7	75.55	292.2	7.7	10.08
	82 14:26:49	16	3138	73.65	218.36	7.6	10.19
	82 14:26:50	17	3142.5	74.33	193.99	7.52	10.26
	82 14:26:51	18	3149.6	77.17	198.89	7.52	10.26
	82 14:26:52	19	3156.7	76.49	318.6	7.49	10.29
	82 14:26:53	20	3167.5	77.91	383.8	7.52	10.22
	82 14:26:54	21	3178.9	78.88	525.43	7.54	10.08
	82 14:26:55	22	3187.1	76.46	547.51	7.52	9.98
	82 14:26:56	23	3193.4	76.96	575.88	7.57	9.85
	82 14:26:57	24	3200	76.9	534.72	7.57	9.85
	82 14:26:58	25	3208	78.55	530.97	7.57	9.83
	82 14:26:59	26	3216.1	78.62	478.14	7.54	9.78
	82 14:27:00	27	3223.6	79.6	492.06	7.6	9.73

82	14:27:01	28	3232.7	80.8	485.15	7.7	9.73
82	14:27:02	29	3241.5	80.83	498.07	7.9	9.65
82	14:27:03	30	3250.7	79.5	503.19	7.9	9.65
82	14:27:04	31	3258.1	76.93	442.21	8.05	9.6
82	14:27:05	32	3264.7	77.53	502.36	8.25	9.47
82	14:27:06	33	3270.8	76.94	416.78	8.51	9.4
82	14:27:07	34	3277.6	76.55	356.1	8.64	9.37
82	14:27:08	35	3285.3	76.06	332.71	8.76	9.3
82	14:27:09	36	3292.1	75.29	320.57	8.79	9.32
82	14:27:10	37	3298.9	74.81	373.62	8.79	9.32
82	14:27:11	38	3303.4	75.33	432.49	8.81	9.3
82	14:27:12	39	3311.1	78.61	447.91	8.74	9.32
82	14:27:13	40	3316.7	76.89	359.82	8.56	9.32
82	14:27:14	41	3322	74.23	243.56	8.36	9.32



82	14:27:15	42	3327.4	73.81	325.1	8.1	9.45
82	14:27:16	43	3330	74.04	341.92	8.1	9.45
82	14:27:17	44	3334.5	75.11	298.32	7.82	9.47
82	14:27:18	45	3336.5	76.75	323.44	7.62	9.55
82	14:27:19	46	3339.1	77.23	173.44	7.47	9.63
82	14:27:20	47	3343.7	75.36	196.07	7.37	9.68
82	14:27:21	48	3348.1	77.19	182.06	7.34	9.73
82	14:27:22	49	3358.9	77	240	7.34	9.73
82	14:27:23	50	3364.7	75.08	360.27	7.42	9.68
82	14:27:24	51	3369.8	75.46	416.83	7.52	9.63
82	14:27:25	52	3375.4	77.08	383.92	7.57	9.68
82	14:27:26	53	3380.1	75.54	238.55	7.57	9.63
82	14:27:27	54	3384	75.48	264.7	7.7	9.65
82	14:27:28	55	3385.7	75.04	361.02	7.75	9.7
82	14:27:29	56	3388.1	73.78	265.45	7.75	9.7
82	14:27:30	57	3389.9	73.11	114.57	7.75	9.78
82	14:27:31	58	3391.9	74.42	154.07	7.7	9.83
82	14:27:32	59	3396.9	71.67	65.48	7.7	9.83
82	14:27:33	60	3403.2	75.1	131.71	7.7	9.83
82	14:27:34	61	3414.3	74.3	300	7.54	9.9
82	14:27:35	62	3427.4	74.22	513.17	7.47	9.9
82	14:27:36	63	3443.3	78.14	618.59	7.44	9.85
82	14:27:37	64	3460.9	77.18	707.96	7.42	9.85
82	14:27:38	65	3476.8	77.43	845.3	7.42	9.85
82	14:27:39	66	3492.5	77.15	1037.24	7.44	9.85
82	14:27:40	67	3503.2	75.97	996.24	7.52	9.85
82	14:27:41	68	3512.3	77.5	908.7	7.6	9.88
82	14:27:42	69	3517.8	76.62	730.11	7.72	9.9
82	14:27:43	70	3523.3	77.59	486.11	7.9	9.9
82	14:27:44	71	3528.6	77.58	426.15	7.98	9.96

82	14:27:45	72	3532.5	78.38	382.01	7.98	9.96
82	14:27:46	73	3538.3	76.26	305.65	8.08	9.96
82	14:27:47	74	3541.6	75.57	228.05	8.23	9.9
82	14:27:48	75	3545.2	76.49	227.32	8.41	9.83
82	14:27:49	76	3549.5	77.41	219.06	8.51	9.78
82	14:27:50	77	3554.8	77.53	282.86	8.48	9.8
82	14:27:51	78	3561.3	78.11	354.45	8.48	9.8
82	14:27:52	79	3564.7	76.22	270.45	8.48	9.73
82	14:27:53	80	3568.9	76.59	295.38	8.46	9.68
82	14:27:54	81	3573.7	77.39	332.43	8.33	9.7
82	14:27:56	82	3580.5	75.75	220.77	8.15	9.6
82	14:27:57	83	3581.9	75.62	177.36	8.15	9.6
82	14:27:58	84	3583.9	75.02	112.74	8.15	9.52
82	14:27:59	85	3585.7	75.39	147.93	8.15	9.45
82	14:28:00	86	3588.1	75.59	100.42	8.13	9.42

82	14:28:01	87	3592	76.7	148.04	8.15	9.32
82	14:28:02	88	3596.1	76.14	168.9	8.15	9.3
82	14:28:03	89	3601.5	76.56	189.63	8.08	9.32
82	14:28:04	90	3607.8	76.35	179.57	8.08	9.32
82	14:28:05	91	3616.6	75.67	287.66	7.98	9.37
82	14:28:06	92	3623.5	73.97	372.6	7.87	9.42
82	14:28:07	93	3629.8	74.16	370.49	7.87	9.42
82	14:28:08	94	3637.8	74.78	456.08	7.8	9.52
82	14:28:09	95	3645.3	75.12	483.64	7.77	9.57
82	14:28:11	96	3657.9	73.74	370.91	7.77	9.63
82	14:28:12	97	3662.8	74.4	374.67	7.77	9.65
82	14:28:13	98	3667	74.44	411.3	7.77	9.65
82	14:28:14	99	3669.5	74.06	311.11	7.77	9.65
82	14:28:15	100	3671.5	74.33	240.44	7.72	9.65
82	14:28:16	101	3670.9	74.56	154.88	7.75	9.52
82	14:28:17	102	3670.7	73.92	46.23	7.75	9.47
82	14:28:18	103	3670.1	74.29	50.3	7.7	9.47
82	14:28:20	104	3668.3	74.95	25	7.7	9.42
82	14:28:21	105	3665.2	75.78	-2.05	7.75	9.42
82	14:28:22	106	3663.3	75.29	-98.61	7.77	9.47
82	14:28:23	107	3663.1	77.17	-145.8	7.75	9.57
82	14:28:24	108	3664.9	77.35	-88.82	7.7	9.65
82	14:28:25	109	3669.3	77.72	-31.11	7.7	9.7
82	14:28:26	110	3676.1	78.24	31.72	7.7	9.7
82	14:28:27	111	3685.6	80.14	271.24	7.7	9.75
82	14:28:28	112	3694.4	80.14	464.65	7.7	9.85
82	14:28:29	113	3702.6	78.19	472.98	7.7	9.93
82	14:28:30	114	3711.8	79.41	477.39	7.7	10.01
82	14:28:31	115	3722.5	78.51	538.26	7.75	10.08
82	14:28:32	116	3731.8	77.64	534.15	7.75	10.08

82	14:28:33	117	3739.5	77.81	503.9	7.8	10.08
	14:28:34	118	3748.6	77.84	493.41	7.82	10.12
	14:28:35	119	3757.8	78.02	551.24	7.82	10.1
	14:28:36	120	3766	77.24	522.45	7.85	10.05
	14:28:37	121	3772.9	77.35	493.78	7.82	10.03
	14:28:38	122	3782.3	77.3	463.15	7.77	10.01
	14:28:39	123	3792.3	75.67	446.34	7.77	10.01
	14:28:40	124	3800.1	75.07	485.75	7.7	10.03
	14:28:41	125	3807.2	74.82	495.11	7.6	10.05
	14:28:42	126	3812.9	73.71	519.81	7.49	10.05
	14:28:43	127	3816.4	73.44	400.83	7.42	10.05
	14:28:44	128	3819.3	73.93	270.79	7.29	10.08
	14:28:45	129	3820.7	73.88	257.61	7.29	10.08
	14:28:46	130	3823.5	75.9	196.4	7.19	10.1
	14:28:47	131	3827.5	77.43	98.14	7.14	10.1

14:28:48	132	3833.1	74.32	137.1	7.14	10.1
14:28:49	133	3839.5	75.66	237.51	7.09	10.12
14:28:50	134	3847.9	75.1	289.43	7.09	10.15
14:28:51	135	3857.3	74.3	352.01	7.09	10.15
14:28:52	136	3866.3	73.95	372.67	7.16	10.15
14:28:54	137	3886.3	75.61	597	7.21	10.15
14:28:55	138	3897.5	75.39	637.84	7.21	10.17
14:28:56	139	3908.4	71.72	555.44	7.29	10.12
14:28:57	140	3917.5	74.27	650.32	7.42	10.12
14:28:58	141	3927.9	75.18	758.27	7.49	10.15
14:28:59	142	3937.8	74.49	663.19	7.54	10.15
14:29:00	143	3948.3	73.72	613.65	7.67	10.15
14:29:01	144	3957.1	74.63	588.29	7.67	10.15
14:29:02	145	3966.4	74.21	542.09	7.77	10.15
14:29:03	146	3972.4	75.43	544.02	7.82	10.15
14:29:04	147	3979.2	75.56	491.62	7.77	10.17
14:29:05	148	3986.4	72.88	372.96	7.77	10.15
14:29:06	149	3992.7	74.9	406.45	7.77	10.15
14:29:07	150	3998.4	74.04	434.36	7.7	10.1
14:29:08	151	4003.8	73.19	385.89	7.7	10.1
14:29:09	152	4007.8	72.12	322.15	7.7	10.03
14:29:10	153	4009.8	72.75	297.67	7.77	9.93
	154		76.257857	382.48753	7.831039	9.8216883

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222



223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

## Team 5 (both)

gph	rpm	#yyy-mm-d	hh:mm:ss	inch	ft msl	deg C	kt		
E1 FFlow	E1 RPM	Lcl Date	Lcl Time	BaroA	AltMSL	OAT	IAS		
10	2233.9	3/10/18	14:09:26	29.77	0	3009	14.5	84.58	
10.07	2229.5	3/10/18	14:09:27	29.77	1	3018.1	14.5	83.81	
9.98	2221.4	3/10/18	14:09:28	29.77	2	3028.6	14.5	83.23	
9.96	2220	3/10/18	14:09:29	29.77	3	3038.3	14.5	83.1	
10.11	2217.3	3/10/18	14:09:30	29.77	4	3047.5	14.5	83.04	
10.04	2219.1	3/10/18	14:09:31	29.77	5	3055.9	14.5	82.83	
10	2210.5	3/10/18	14:09:32	29.77	6	3063.3	14.5	82.29	
9.88	2219.6	3/10/18	14:09:33	29.77	7	3070.4	14.5	82.56	
9.93	2206.6	3/10/18	14:09:34	29.77	8	3074.9	14.2	82.71	
10.12	2213.3	3/10/18	14:09:35	29.77	9	3080.8	14.2	82.56	
9.96	2207.1	3/10/18	14:09:36	29.77	10	3086.5	14.2	82.45	
10.04	2215.6	3/10/18	14:09:37	29.77	11	3092.2	14.2	82.07	
9.93	2205.2	3/10/18	14:09:38	29.77	12	3098.8	14.2	82.25	
9.93	2195.9	3/10/18	14:09:39	29.77	13	3105.5	14.2	82.96	
9.79	2189.7	3/10/18	14:09:40	29.77	14	3112.5	14.2	83.28	
9.97	2192.2	3/10/18	14:09:41	29.77	15	3117.8	14.2	82.75	
9.91	2186.1	3/10/18	14:09:42	29.77	16	3122.9	14	83.47	
9.84	2186.4	3/10/18	14:09:43	29.77	17	3129.2	14	87.15	
10.03	2198.5	3/10/18	14:09:44	29.77	18	3136.4	14	83.35	
9.91	2202.9	3/10/18	14:09:45	29.77	19	3142.9	14	84.62	
9.87	2197.4	3/10/18	14:09:46	29.77	20	3150.7	14	83.42	
9.96	2204.4	3/10/18	14:09:47	29.77	21	3161.2	14	84.08	
10	2205.6	3/10/18	14:09:48	29.77	22	3171.1	14	85.11	
9.96	2192.2	3/10/18	14:09:49	29.77	23	3181.2	14	84.89	
9.79	2198.2	3/10/18	14:09:50	29.77	24	3192.3	14	83.55	
9.91	2202	3/10/18	14:09:51	29.77	25	3202.4	14	82.85	

9.86	2203.1	3/10/18	14:09:52	29.77	26	3211.5	13.8	84.82
9.8	2204.5	3/10/18	14:09:53	29.77	27	3219.6	13.8	83.08
9.86	2213.7	3/10/18	14:09:54	29.77	28	3227.9	13.8	82.77
9.93	2213.3	3/10/18	14:09:55	29.77	29	3236.2	13.8	81.81
9.84	2207.1	3/10/18	14:09:56	29.77	30	3243.9	13.8	81.21
9.87	2198	3/10/18	14:09:57	29.77	31	3251.8	13.8	82.07
9.75	2198.2	3/10/18	14:09:58	29.77	32	3258.5	13.8	82.18
9.83	2195.4	3/10/18	14:09:59	29.77	33	3263.8	13.8	82.94
9.88	2195.1	3/10/18	14:10:00	29.77	34	3269.6	13.8	83.88
9.77	2191.4	3/10/18	14:10:01	29.77	35	3276.5	13.8	83.39
9.84	2189.8	3/10/18	14:10:02	29.77	36	3284.3	13.8	83.54
9.66	2184.6	3/10/18	14:10:03	29.77	37	3290.3	13.8	83.75
9.77	2184.1	3/10/18	14:10:04	29.77	38	3296.8	13.5	84.56
9.86	2196.4	3/10/18	14:10:05	29.77	39	3302.8	13.5	84.52
9.82	2195.5	3/10/18	14:10:06	29.77	40	3309.8	13.5	84.36
9.82	2189.5	3/10/18	14:10:07	29.77	41	3317.1	13.5	84.76

9.85	2179.9	3/10/18	14:10:08	29.77	42	3323.3	13.5	85.45
9.7	2179.4	3/10/18	14:10:09	29.77	43	3330.2	13.5	83.91
9.66	2175	3/10/18	14:10:10	29.77	44	3336.6	13.5	83.86
9.98	2183.4	3/10/18	14:10:11	29.77	45	3345	13.5	83.72
9.87	2192.3	3/10/18	14:10:12	29.77	46	3352.2	13.5	82.28
9.68	2184.2	3/10/18	14:10:13	29.77	47	3359.1	13.5	82.84
9.67	2191.7	3/10/18	14:10:14	29.77	48	3367.7	13.5	83.21
9.66	2192.9	3/10/18	14:10:15	29.77	49	3374	13.5	82.42
9.67	2185.9	3/10/18	14:10:16	29.77	50	3380.3	13.8	81.88
9.75	2191.8	3/10/18	14:10:17	29.77	51	3384.2	13.8	82.3
9.77	2190.9	3/10/18	14:10:18	29.77	52	3387.1	13.8	81.58
9.88	2195	3/10/18	14:10:19	29.77	53	3389.7	13.8	83.26
9.59	2186.8	3/10/18	14:10:20	29.77	54	3392.3	13.8	85.67
9.72	2181.2	3/10/18	14:10:21	29.77	55	3396	13.8	86.3
9.62	2175.8	3/10/18	14:10:22	29.77	56	3400.7	14	87.04
9.81	2173.5	3/10/18	14:10:23	29.77	57	3408.2	14	86.41
9.66	2175.3	3/10/18	14:10:24	29.77	58	3414.7	14	84.35
9.84	2177.2	3/10/18	14:10:25	29.77	59	3420.4	14	83.39
9.71	2177.9	3/10/18	14:10:26	29.77	60	3425.5	14	83.82
9.84	2174.2	3/10/18	14:10:27	29.77	61	3428.3	14	84.04
9.7	2173.3	3/10/18	14:10:28	29.77	62	3433.1	14	85.03
9.71	2188.9	3/10/18	14:10:29	29.77	63	3435.3	14.2	84.26
9.85	2197.9	3/10/18	14:10:30	29.77	64	3437.8	14.2	84.33
9.73	2196.8	3/10/18	14:10:31	29.77	65	3439.6	14.2	84.92
9.67	2195.3	3/10/18	14:10:32	29.77	66	3439.1	14.2	85.16
9.64	2184.8	3/10/18	14:10:33	29.77	67	3440	14.2	85.62
9.68	2181.9	3/10/18	14:10:34	29.77	68	3441.8	14.2	86.58
9.79	2183.8	3/10/18	14:10:35	29.77	69	3445.9	14.5	87.38
9.75	2191.5	3/10/18	14:10:36	29.77	70	3450.7	14.5	87.82
9.59	2197.3	3/10/18	14:10:37	29.77	71	3456.5	14.5	87.89

9.6	2189.3	3/10/18	14:10:38	29.77	72	3464.7	14.5	88.02
9.7	2185.4	3/10/18	14:10:39	29.77	73	3472.4	14.5	87.95
9.68	2181.9	3/10/18	14:10:40	29.77	74	3480.8	14.8	87.71
9.62	2186.5	3/10/18	14:10:41	29.77	75	3489.4	14.8	87.25
9.75	2187.5	3/10/18	14:10:42	29.77	76	3497.9	14.8	86.83
9.73	2184.4	3/10/18	14:10:43	29.77	77	3506.4	14.8	87.01
9.74	2188.6	3/10/18	14:10:44	29.77	78	3512.4	14.8	86.72
9.67	2184.2	3/10/18	14:10:45	29.77	79	3519.5	15	86.57
9.72	2183.3	3/10/18	14:10:46	29.77	80	3527.4	15	86.33
9.64	2181.2	3/10/18	14:10:47	29.77	81	3535.2	15	86.34
9.61	2180.9	3/10/18	14:10:48	29.77	82	3543.4	15	86.53
9.57	2176.6	3/10/18	14:10:49	29.77	83	3552.2	15	86.91
9.58	2176.7	3/10/18	14:10:50	29.77	84	3562.7	15	86.45
9.67	2171.9	3/10/18	14:10:51	29.77	85	3572.3	15	86.54
9.75	2178.3	3/10/18	14:10:52	29.77	86	3582.1	15	86.52

9.67	2178.5	3/10/18	14:10:53	29.77	87	3592.2	15	86.27
9.6	2177.9	3/10/18	14:10:54	29.77	88	3602.3	15	85.97
9.58	2180.2	3/10/18	14:10:55	29.77	89	3612.7	15	85.86
9.78	2179.9	3/10/18	14:10:56	29.77	90	3621.8	15	85.85
9.7	2175.3	3/10/18	14:10:57	29.77	91	3630.5	15	85.56
9.53	2174.2	3/10/18	14:10:58	29.77	92	3639.7	15.2	85.34
9.71	2172.4	3/10/18	14:10:59	29.77	93	3650	15.2	85.04
9.6	2174.5	3/10/18	14:11:00	29.77	94	3660.2	15	84.94
9.58	2171.1	3/10/18	14:11:01	29.77	95	3670.3	15	84.73
9.56	2162	3/10/18	14:11:02	29.77	96	3682.5	15	84.63
9.68	2165	3/10/18	14:11:03	29.77	97	3694	15	84.42
9.54	2163.6	3/10/18	14:11:04	29.77	98	3705.6	15	84.3
9.6	2165.3	3/10/18	14:11:05	29.77	99	3716	15	84.17
9.63	2167.8	3/10/18	14:11:06	29.77	100	3726.7	15	83.99
9.64	2167.2	3/10/18	14:11:07	29.77	101	3737.9	15	83.73
9.59	2168	3/10/18	14:11:08	29.77	102	3747.3	15	83.74
9.57	2163.7	3/10/18	14:11:09	29.77	103	3757.3	15	83.6
9.59	2166.1	3/10/18	14:11:10	29.77	104	3767.7	15	83.58
9.58	2172.7	3/10/18	14:11:11	29.77	105	3778.3	15	83.66
9.59	2173	3/10/18	14:11:12	29.77	106	3788.4	15	83.67
9.59	2179.9	3/10/18	14:11:13	29.77	107	3798.5	15	83.57
9.68	2177.8	3/10/18	14:11:14	29.77	108	3810.8	15	83.48
9.56	2182.5	3/10/18	14:11:15	29.77	109	3821.8	15	83.42
9.56	2185.2	3/10/18	14:11:16	29.77	110	3834.2	15	83.5
9.66	2191.1	3/10/18	14:11:17	29.77	111	3846	15	83.42
9.59	2191.7	3/10/18	14:11:18	29.77	112	3857.2	15	83.4
9.66	2187.1	3/10/18	14:11:19	29.77	113	3869.1	15	83.37
9.68	2188.8	3/10/18	14:11:20	29.77	114	3879.8	14.8	83.3
9.51	2184.3	3/10/18	14:11:21	29.77	115	3892.3	14.8	83.47
9.39	2181.7	3/10/18	14:11:22	29.77	116	3904.6	14.8	83.33



9.48	2182	3/10/18	14:11:23	29.77	117	3918.2	14.8	83.28
9.51	2180.6	3/10/18	14:11:24	29.77	118	3930.6	14.8	82.95
9.49	2181.5	3/10/18	14:11:25	29.77	119	3943.1	14.8	82.67
9.63	2181.9	3/10/18	14:11:26	29.77	120	3958.6	14.8	82.46
9.6	2180.7	3/10/18	14:11:27	29.77	121	3973.1	14.8	82.43
9.52	2182.2	3/10/18	14:11:28	29.77	122	3988.7	14.8	81.79
9.57	2180.2	3/10/18	14:11:29	29.77	123	4003.8	14.8	81.5
9.5	2171.1	clb2						84.253145
9.66	2168.6	3/10/18	14:14:00	29.77	0	3002.7	14.2	84.13
9.53	2157.5	3/10/18	14:14:01	29.77	1	3006.2	14.2	84.11
9.54	2157.4	3/10/18	14:14:02	29.77	2	3010	14.2	84.6
9.52	2158	3/10/18	14:14:03	29.77	3	3012.6	14	85.17
9.49	2159.1	3/10/18	14:14:04	29.77	4	3016.8	14	88.21
9.54	2168.1	3/10/18	14:14:05	29.77	5	3022.5	14	88.2
9.59	2176.8	3/10/18	14:14:06	29.77	6	3032.4	14	88.63

9.43	2168.8	3/10/18	14:14:07	29.77	7	3045.5	14	87.95
9.46	2169.6	3/10/18	14:14:08	29.77	8	3058.5	14	86.78
9.56	2169.7	3/10/18	14:14:09	29.77	9	3070.9	14	86.77
9.54	2166.6	3/10/18	14:14:10	29.77	10	3084.5	14.2	87.57
9.5	2166.1	3/10/18	14:14:11	29.77	11	3097.7	14.2	85.42
9.37	2165.2	3/10/18	14:14:12	29.77	12	3110.4	14.2	84.12
9.55	2165.4	3/10/18	14:14:13	29.77	13	3121.4	14.2	84.3
9.44	2157	3/10/18	14:14:14	29.77	14	3130.5	14.2	85.23
9.36	2156.1	3/10/18	14:14:15	29.77	15	3139.4	14.2	83.16
9.31	2157.9	3/10/18	14:14:16	29.77	16	3146.5	14.2	84.65
9.43	2158.1	3/10/18	14:14:17	29.77	17	3153.5	14.2	85.51
9.38	2152.4	3/10/18	14:14:18	29.77	18	3160.9	14.2	85.27
9.43	2156.3	3/10/18	14:14:19	29.77	19	3169.4	14.2	86.15
9.31	2158.9	3/10/18	14:14:20	29.77	20	3178	14.2	85.98
9.51	2161.3	3/10/18	14:14:21	29.77	21	3186.3	14.2	86.06
9.49	2161.7	3/10/18	14:14:22	29.77	22	3196.7	14.2	85.02
9.54	2155.5	3/10/18	14:14:23	29.77	23	3206.9	14.2	85.75
9.54	2156	3/10/18	14:14:24	29.77	24	3216.2	14.2	85.43
9.39	2151.7	3/10/18	14:14:25	29.77	25	3225.6	14.2	84.7
9.53	2150.6	3/10/18	14:14:26	29.77	26	3232.7	14.2	84.26
9.39	2146.2	3/10/18	14:14:27	29.77	27	3241.7	14.2	84.91
9.39	2141.7	3/10/18	14:14:28	29.77	28	3252.1	14.2	83.72
9.6905195	2182.9208	3/10/18	14:14:29	29.77	29	3262.1	14	83.87
		3/10/18	14:14:30	29.77	30	3273	14	83.46
		3/10/18	14:14:31	29.77	31	3284.6	14	83.61
		3/10/18	14:14:32	29.77	32	3293.1	14	83.86
		3/10/18	14:14:33	29.77	33	3299.6	14	82.97
		3/10/18	14:14:34	29.77	34	3305.2	14	83.29
		3/10/18	14:14:35	29.77	35	3311.5	14	82.91
		3/10/18	14:14:36	29.77	36	3316.9	14	83.59

3/10/18	14:14:37	29.77	37	3322.9	14	83.71
3/10/18	14:14:38	29.77	38	3330.4	14	84.27
3/10/18	14:14:39	29.77	39	3338.7	14	84.65
3/10/18	14:14:40	29.77	40	3347.8	14	84.7
3/10/18	14:14:41	29.77	41	3357.4	14	85.48
3/10/18	14:14:42	29.77	42	3367.2	13.8	85.21
3/10/18	14:14:43	29.77	43	3377.9	13.8	84.46
3/10/18	14:14:44	29.77	44	3386.7	13.8	84.4
3/10/18	14:14:45	29.77	45	3395.1	13.8	85.41
3/10/18	14:14:46	29.77	46	3404.5	13.8	85.29
3/10/18	14:14:47	29.77	47	3414.7	13.8	85.32
3/10/18	14:14:48	29.77	48	3425	13.8	84.76
3/10/18	14:14:49	29.77	49	3434.4	13.8	85.48
3/10/18	14:14:50	29.77	50	3445.1	13.8	85.01
3/10/18	14:14:51	29.77	51	3455.2	13.8	84.03
3/10/18	14:14:52	29.77	52	3466.8	13.8	86.17

3/10/18	14:14:53	29.77	53	3478.2	13.5	85.72
3/10/18	14:14:54	29.77	54	3490	13.5	85.47
3/10/18	14:14:55	29.77	55	3502.5	13.5	85
3/10/18	14:14:56	29.77	56	3513.6	13.5	84.29
3/10/18	14:14:57	29.77	57	3525.7	13.5	84.22
3/10/18	14:14:58	29.77	58	3537.1	13.8	83.59
3/10/18	14:14:59	29.77	59	3548.8	13.8	83.43
3/10/18	14:15:00	29.77	60	3558.6	13.8	82.94
3/10/18	14:15:01	29.77	61	3567.6	13.8	82.79
3/10/18	14:15:02	29.77	62	3576	13.8	82.62
3/10/18	14:15:03	29.77	63	3583.4	13.8	82.68
3/10/18	14:15:04	29.77	64	3590	14	82.51
3/10/18	14:15:05	29.77	65	3595.6	13.8	83.04
3/10/18	14:15:06	29.77	66	3600.8	13.8	83.61
3/10/18	14:15:07	29.77	67	3606.8	13.8	84.25
3/10/18	14:15:08	29.77	68	3612	13.8	84.43
3/10/18	14:15:09	29.77	69	3618.1	13.8	84.2
3/10/18	14:15:10	29.77	70	3624.6	13.8	83.99
3/10/18	14:15:11	29.77	71	3631.8	13.8	84.65
3/10/18	14:15:12	29.77	72	3639.4	13.5	85.47
3/10/18	14:15:13	29.77	73	3648	13.5	85.48
3/10/18	14:15:14	29.77	74	3657.8	13.5	85.35
3/10/18	14:15:15	29.77	75	3668.2	13.5	85.3
3/10/18	14:15:16	29.77	76	3679.6	13.5	85.67
3/10/18	14:15:17	29.77	77	3691.2	13.5	84.81
3/10/18	14:15:18	29.77	78	3704.1	13.5	84.63
3/10/18	14:15:19	29.77	79	3718	13.5	83.39
3/10/18	14:15:20	29.77	80	3729	13.5	82.55
3/10/18	14:15:21	29.77	81	3738.7	13.5	82.68
3/10/18	14:15:22	29.77	82	3746.6	13.5	82.49
3/10/18	14:15:23	29.77	83	3754.7	13.8	82.76
3/10/18	14:15:24	29.77	84	3761.8	13.8	82.39
3/10/18	14:15:25	29.77	85	3767.9	13.8	83.35
3/10/18	14:15:26	29.77	86	3775.5	13.8	83.1

3/10/18	14:15:27	29.77	87	3782.4	13.8	82.79
3/10/18	14:15:28	29.77	88	3790.1	13.8	84.34
3/10/18	14:15:29	29.77	89	3800.3	13.8	84
3/10/18	14:15:30	29.77	90	3813.3	13.8	85.37
3/10/18	14:15:31	29.77	91	3824.7	13.8	82.56
3/10/18	14:15:32	29.77	92	3834.5	13.8	83.46
3/10/18	14:15:33	29.77	93	3843.4	13.8	80.78
3/10/18	14:15:34	29.77	94	3854.9	13.8	79.89
3/10/18	14:15:35	29.77	95	3863.9	13.8	79.84
3/10/18	14:15:36	29.77	96	3869.7	13.8	79.94
3/10/18	14:15:37	29.77	97	3873.7	13.8	80.16
3/10/18	14:15:38	29.77	98	3878.9	13.8	80.56
3/10/18	14:15:39	29.77	99	3884.2	13.8	80.61

3/10/18	14:15:40	29.77	100	3889.9	13.8	79.03
3/10/18	14:15:41	29.77	101	3895.3	13.8	79.99
3/10/18	14:15:42	29.77	102	3899.6	13.8	82.17
3/10/18	14:15:43	29.77	103	3906.2	13.8	80.88
3/10/18	14:15:44	29.77	104	3911.2	13.8	80.1
3/10/18	14:15:45	29.77	105	3916	13.8	80.41
3/10/18	14:15:46	29.77	106	3920.1	13.8	80.76
3/10/18	14:15:47	29.77	107	3924.6	13.5	80.84
3/10/18	14:15:48	29.77	108	3929	13.5	81.16
3/10/18	14:15:49	29.77	109	3933.2	13.8	81.44
3/10/18	14:15:50	29.77	110	3938.1	13.8	82.15
3/10/18	14:15:51	29.77	111	3942.9	13.8	81.57
3/10/18	14:15:52	29.77	112	3946	13.8	82.52
3/10/18	14:15:53	29.77	113	3947.8	13.8	83.42
3/10/18	14:15:54	29.77	114	3950.2	13.8	84.42
3/10/18	14:15:55	29.77	115	3954.8	13.5	84.94
3/10/18	14:15:56	29.77	116	3959.6	13.5	85.55
3/10/18	14:15:57	29.77	117	3966.3	13.5	85.36
3/10/18	14:15:58	29.77	118	3974.7	13.5	85.08
3/10/18	14:15:59	29.77	119	3984.7	13.8	84.99
3/10/18	14:16:00	29.77	120	3994	13.8	84.91
3/10/18	14:16:01	29.77	121	4002.3	13.8	84.62
3/10/18	14:16:02	29.77	122	4011	13.8	84.84

123 83.950976

124

125

126

127

128

## Team 6 (1)

rpm	kt							
E1 RPM	TAS	Lcl Date	Lcl Time	BaroA		AltMSL	OAT	IAS
2237.7	89	3/10/18	17:09:28	29.82	0	3027.2	13.5	90.55
2232.3	89	3/10/18	17:09:29	29.82	1	3035	13.5	90.5
2229	88	3/10/18	17:09:30	29.82	2	3043.8	13.5	90.38
2228.3	88	3/10/18	17:09:31	29.82	3	3052.9	13.5	90.18
2224.1	88	3/10/18	17:09:32	29.82	4	3062.2	13.5	89.74
2231.6	88	3/10/18	17:09:33	29.82	5	3070.9	13.5	89.5
2228.7	87	3/10/18	17:09:34	29.82	6	3078.1	13.5	89.35
2224.3	87	3/10/18	17:09:35	29.82	7	3085.8	13.5	89.3
2228.6	88	3/10/18	17:09:36	29.82	8	3093.4	13.5	89.47
2229.4	87	3/10/18	17:09:37	29.82	9	3100	13.5	89.8
2225.5	87	3/10/18	17:09:38	29.82	10	3106.7	13.5	90.12
2229.2	87	3/10/18	17:09:39	29.82	11	3113.9	13.5	90.16
2227.4	87	3/10/18	17:09:40	29.82	12	3123	13.5	90.19
2228.6	88	3/10/18	17:09:41	29.82	13	3130.2	13.5	90.03
2234.3	88	3/10/18	17:09:42	29.82	14	3137.7	13.5	90.01
2234.6	88	3/10/18	17:09:43	29.82	15	3145.6	13.5	90.06
2235	88	3/10/18	17:09:44	29.82	16	3152.7	13.5	89.87
2243.6	92	3/10/18	17:09:45	29.82	17	3159.8	13.5	89.76
2236.7	88	3/10/18	17:09:46	29.82	18	3165	13.5	89.56
2239.1	90	3/10/18	17:09:47	29.82	19	3172.3	13.5	89.49
2236.2	88	3/10/18	17:09:48	29.82	20	3178.4	13.5	89.44
2229.7	89	3/10/18	17:09:49	29.82	21	3184.9	13.5	89.56
2235.2	90	3/10/18	17:09:50	29.82	22	3190.8	13.5	89.5
2233.3	90	3/10/18	17:09:51	29.82	23	3196.8	13.5	89.74
2233.2	89	3/10/18	17:09:52	29.82	24	3205.2	13.5	89.86
2236.2	88	3/10/18	17:09:53	29.82	25	3211.1	13.5	90.08

2240.6	90	3/10/18 17:09:54	29.82	26	3217.6	13.5	90.1
2229.9	88	3/10/18 17:09:55	29.82	27	3225.1	13.5	90.17
2232.8	88	3/10/18 17:09:56	29.82	28	3232.3	13.5	90.22
2227.7	87	3/10/18 17:09:57	29.82	29	3240.8	13.5	90.37
2224	86	3/10/18 17:09:58	29.82	30	3246.3	13.5	90.31
2224.5	87	3/10/18 17:09:59	29.82	31	3254.1	13.5	89.96
2225.2	87	3/10/18 17:10:00	29.82	32	3261.5	13.5	89.6
2231.5	88	3/10/18 17:10:01	29.82	33	3269.5	13.5	89.39
2230.6	89	3/10/18 17:10:02	29.82	34	3276.2	13.5	89.44
2229.8	89	3/10/18 17:10:03	29.82	35	3281.7	13.5	89.77
2231	89	3/10/18 17:10:04	29.82	36	3291	13.5	89.88
2231.1	89	3/10/18 17:10:05	29.82	37	3298.2	13.5	90.41
2233.7	90	3/10/18 17:10:06	29.82	38	3306.2	13.5	90.22
2236	90	3/10/18 17:10:07	29.82	39	3313.8	13.5	90.15
2238.7	90	3/10/18 17:10:08	29.82	40	3322.3	13.5	90.18
2238.7	90	3/10/18 17:10:09	29.82	41	3331.4	13.5	90.34



2243.9	91	3/10/18	17:10:10	29.82	42	3337.6	13.5	90.47
2240.5	89	3/10/18	17:10:11	29.82	43	3346.3	13.8	90.32
2236.9	89	3/10/18	17:10:12	29.82	44	3354.9	13.8	90.46
2238.7	89	3/10/18	17:10:13	29.82	45	3363.3	13.8	90.37
2238.9	87	3/10/18	17:10:14	29.82	46	3372.5	13.8	90.48
2240.6	88	3/10/18	17:10:15	29.82	47	3380.1	13.8	90.82
2241.8	88	3/10/18	17:10:16	29.82	48	3390.7	13.8	90.7
2240	88	3/10/18	17:10:17	29.82	49	3399.6	13.8	90.58
2245.2	87	3/10/18	17:10:18	29.82	50	3409.3	13.8	90.57
2238.2	88	3/10/18	17:10:19	29.82	51	3418.8	14	90.35
2243.1	87	3/10/18	17:10:20	29.82	52	3428.7	14	90.1
2242.6	89	3/10/18	17:10:21	29.82	53	3438.3	14	90.09
2246.9	91	3/10/18	17:10:22	29.82	54	3446.5	14	89.97
2251.7	92	3/10/18	17:10:23	29.82	55	3456.2	14.2	90.02
2254.7	93	3/10/18	17:10:24	29.82	56	3465.3	14.2	90.01
2249.6	92	3/10/18	17:10:25	29.82	57	3474	14.2	89.95
2248.2	90	3/10/18	17:10:26	29.82	58	3483.3	14.2	90.04
2244.5	89	3/10/18	17:10:27	29.82	59	3491	14.2	90.1
2246.6	89	3/10/18	17:10:28	29.82	60	3500.2	14.5	90.27
2244.4	90	3/10/18	17:10:29	29.82	61	3508.2	14.5	90.2
2252.2	91	3/10/18	17:10:30	29.82	62	3517	14.5	89.89
2250.6	90	3/10/18	17:10:31	29.82	63	3525.6	14.5	89.91
2249.6	90	3/10/18	17:10:32	29.82	64	3535	14.5	89.79
2248.3	90	3/10/18	17:10:33	29.82	65	3544.7	14.8	89.66
2249.5	91	3/10/18	17:10:34	29.82	66	3552.3	14.8	89.59
2254.3	91	3/10/18	17:10:35	29.82	67	3561.1	14.8	89.49
2255.1	92	3/10/18	17:10:36	29.82	68	3569.2	14.8	89.55
2261.1	93	3/10/18	17:10:37	29.82	69	3577.1	14.8	89.67
2265.3	94	3/10/18	17:10:38	29.82	70	3584.7	14.8	89.52
2261.9	94	3/10/18	17:10:39	29.82	71	3591.6	14.8	89.58

2270.4	94	3/10/18	17:10:40	29.82	72	3599.4	15	89.63
2267	94	3/10/18	17:10:41	29.82	73	3606.3	15	89.67
2265.2	94	3/10/18	17:10:42	29.82	74	3613.7	15	89.75
2262.7	93	3/10/18	17:10:43	29.82	75	3621.2	15	89.74
2258	93	3/10/18	17:10:44	29.82	76	3628.4	15	89.74
2258.2	93	3/10/18	17:10:45	29.82	77	3637.5	15	89.95
2261	93	3/10/18	17:10:46	29.82	78	3644.6	15	90.09
2258.1	92	3/10/18	17:10:47	29.82	79	3653.1	15	90.24
2256.4	92	3/10/18	17:10:48	29.82	80	3661.4	15	90.26
2253.3	92	3/10/18	17:10:49	29.82	81	3669.9	15	90.19
2258.3	93	3/10/18	17:10:50	29.82	82	3678.2	15	90.16
2254.8	93	3/10/18	17:10:51	29.82	83	3686	15.2	90.06
2258.3	92	3/10/18	17:10:52	29.82	84	3694.4	15.2	90
2257.1	93	3/10/18	17:10:53	29.82	85	3702.3	15.2	90.01
2260	93	3/10/18	17:10:54	29.82	86	3710.5	15.2	89.97

2258.6	92	3/10/18	17:10:55	29.82	87	3718.6	15.2	89.93
2254.7	92	3/10/18	17:10:56	29.82	88	3726.3	15.2	89.88
2254.7	92	3/10/18	17:10:57	29.82	89	3736	15.2	89.93
2257.2	92	3/10/18	17:10:58	29.82	90	3743.9	15.2	89.94
2254.7	92	3/10/18	17:10:59	29.82	91	3752.6	15.2	90.02
2257.7	91	3/10/18	17:11:00	29.82	92	3760.7	15.2	89.99
2252.8	91	3/10/18	17:11:01	29.82	93	3768.8	15.2	90
2252.2	91	3/10/18	17:11:02	29.82	94	3776.9	15.2	90.07
2250.2	91	3/10/18	17:11:03	29.82	95	3784.1	15.2	90.17
2249.2	91	3/10/18	17:11:04	29.82	96	3793.3	15.2	90.11
2252.1	90	3/10/18	17:11:05	29.82	97	3801.1	15.2	89.99
2246.9	90	3/10/18	17:11:06	29.82	98	3809.5	15.2	89.91
2248	90	3/10/18	17:11:07	29.82	99	3818	15.2	89.88
2246.3	90	3/10/18	17:11:08	29.82	100	3826.5	15.2	89.78
2245.6	90	3/10/18	17:11:09	29.82	101	3835.7	15.2	89.7
2245.9	90	3/10/18	17:11:10	29.82	102	3844.5	15.2	89.56
2245.6	90	3/10/18	17:11:11	29.82	103	3852.7	15.2	89.52
2243.1	90	3/10/18	17:11:12	29.82	104	3860.5	15.2	89.53
2243.5	90	3/10/18	17:11:13	29.82	105	3868.3	15.2	89.44
2242.9	90	3/10/18	17:11:14	29.82	106	3875.9	15.2	89.47
2245	90	3/10/18	17:11:15	29.82	107	3881.9	15.2	89.51
2244.4	90	3/10/18	17:11:16	29.82	108	3889.5	15.2	89.51
2243.3	90	3/10/18	17:11:17	29.82	109	3895.8	15.2	89.5
2244.1	90	3/10/18	17:11:18	29.82	110	3902.7	15.2	89.59
2243.5	90	3/10/18	17:11:19	29.82	111	3909.7	15.2	89.63
2243.4	90	3/10/18	17:11:20	29.82	112	3916.4	15.2	89.68
2243	90	3/10/18	17:11:21	29.82	113	3923.9	15.2	89.84
2243.1	90	3/10/18	17:11:22	29.82	114	3931.1	15.2	89.91
2243.2	90	3/10/18	17:11:23	29.82	115	3938.5	15.2	90
2244	90	3/10/18	17:11:24	29.82	116	3945.7	15.2	90.08

2242.2	90	3/10/18	17:11:25	29.82	117	3952.9	15.2	90.16
2241.6	89	3/10/18	17:11:26	29.82	118	3960	15.2	90.15
2241.8	89	3/10/18	17:11:27	29.82	119	3965.7	15.2	90.17
2242.1	89	3/10/18	17:11:28	29.82	120	3973.4	15.2	90.18
2239.8	89	3/10/18	17:11:29	29.82	121	3980.1	15.2	90.09
2239.6	88	3/10/18	17:11:30	29.82	122	3987.3	15.2	90.09
2235.4	88	3/10/18	17:11:31	29.82	123	3994.5	15.2	90.09
2243.4089	89.887097	3/10/18	17:11:32	29.82	124	4001.8	15.2	90.08
2251.2	89				125			89.95016
2248.5	89				126			
2247.2	89				127			
2252.5	90				128			
2261.9	93				129			
2270.9	93				130			
2274.2	94				131			

2267.8	93	132
2269.5	92	133
2279.1	92	134
2266.1	93	135
2257.2	90	136
2254.4	89	137
2251.1	89	138
2248.9	90	139
2248.3	88	140
2252.9	90	141
2253.6	91	142
2257.8	90	143
2259.4	91	144
2258.1	91	145
2253.3	91	146
2256.5	90	147
2256	91	148
2250.4	91	149
2252.7	90	150
2245.9	89	151
2248.8	90	152
2247.7	89	153
2250	89	154
2248.9	89	155
2246.8	89	156
2244.9	89	157
2239.6	88	158
2239.9	88	159
2249.1	88	160
2242	89	161

2243	89	162
2245.6	90	163
2249.1	90	164
2247.1	90	165
2250.2	91	166
2250.6	91	167
2252.3	90	168
2244.8	90	169
2248	91	170
2250.7	91	171
2247.5	91	172
2243.8	90	173
2250.1	91	174
2250.3	90	175
2247	89	176
2253.2	92	177

2260.5	91	178
2259.2	91	179
2256.6	91	180
2258.5	90	181
2252.8	90	182
2249.2	89	183
2246.9	89	184
2243.7	89	185
2238.1	88	186
2243	88	187
2232.8	88	188
2238.3	88	189
2237.1	89	190
2241.8	89	191
2243	90	192
2240.5	90	193
2243	90	194
2241.8	90	195
2241.5	90	196
2249.4	91	197
2254.7	91	198
2249.8	91	199
2249.3	91	200
2257.9	92	201
2254.8	91	202
2258.9	90	203
2247.5	89	204
2241.4	88	205
2245.4	88	206
2242	88	207
2242.3	89	208

2240.1	88	209
2245.6	89	210
2241.6	89	211
2243.2	89	212
2245.6	90	213
2243.3	90	214
2242	92	215
2233.7	89	216
2232.9	89	217
2232	87	218
2230.9	86	219
2232.8	86	220
2235.4	86	221
2228.5	86	222
2231.6	86	223
2228.2	86	224



2221.9	85	225
2222.8	86	226
2226.3	88	227
2232.1	87	228
2230.7	86	229
2230.4	86	230
2233.7	87	231
2234.5	87	232
2237.5	87	233
2237.6	87	234
2239.6	88	235
2235.6	88	236
2242.6	89	237
2243.2	90	238
2252.7	91	239
2252.2	91	240
2261.3	92	241
2252.8	92	242
2253.5	91	243
2249.9	91	244
2250.6	91	245
2246.8	91	246
2249.7	91	247
2246.8577	89.520325	248
		249
		250
		251
		252



		Team 7 (1)						
		hh:mm:ss	ft msl		kt	fpm	deg	
E1 RPM	TAS	Lcl Time	AltMSL	IAS	VSpd	Pitch	Lcl time	
2499	96	10:47:49	0	3038.6	65.32	519.08	9.34	14:26:44
2499.2	95	10:47:50	1	3044.7	65.7	469.41	9.13	14:26:46
2503.2	95	10:47:51	2	3052	66.02	425.67	9.95	14:26:47
2501.9	95	10:47:52	3	3059.6	66	391.15	10.28	14:26:47
2495.4	95	10:47:53	4	3068.3	66.3	426.78	10.33	14:26:49
2484.4	95	10:47:54	5	3077.4	66.35	473.96	10.4	14:26:49
2486.4	94	10:47:55	6	3087.2	66.42	513.97	10.56	14:26:51
2496.9	94	10:47:56	7	3097	66.42	540.85	10.81	14:26:51
2486.5	94	10:47:57	8	3106.5	66.16	558.72	11.03	14:26:53
2498.4	95	10:47:58	9	3117.2	65.95	573.14	10.69	14:26:53
2491.1	95	10:47:59	10	3127.3	65.83	590.73	10.59	14:26:55
2496.8	95	10:48:00	11	3137.5	65.4	571.86	11.18	14:26:56
2500.3	95	10:48:01	12	3148.6	65.13	563.01	11.59	14:26:56
2494.4	95	10:48:02	13	3160	64.78	594.81	11.78	14:26:58
2492.4	95	10:48:03	14	3173.3	64.36	634.18	11.89	14:26:58
2492.4	95	10:48:04	15	3184.8	64	663.55	11.99	14:27:00
2494.1	95	10:48:05	16	3196.5	63.89	686.91	11.39	14:27:00
2502.1	95	10:48:06	17	3206.8	63.94	692.88	10.51	14:27:02
2495.2	95	10:48:07	18	3215.5	64	660.62	9.77	14:27:02
2486.4	95	10:48:08	19	3223.1	64.37	612.01	9.27	14:27:04
2485.4	95	10:48:09	20	3229	64.87	550.49	9.1	14:27:04
2491.9	95	10:48:10	21	3235.2	65.33	490.13	9.07	14:27:05
2489.3	95	10:48:11	22	3241.4	65.87	432.85	8.81	14:27:07
2488.5	95	10:48:12	23	3247.3	66.39	399.65	8.66	14:27:07
2492	95	10:48:13	24	3253.5	66.89	368.62	9.29	14:27:09
2495.5	95	10:48:14	25	3260.8	67	349.18	10.39	14:27:09

2494.3	95	10:48:15	26	3272	67.25	415.14	11.52	14:27:11
2490.6	95	10:48:17	27	3297.3	66.68	588.96	12.36	14:27:11
2499.5	96	10:48:18	28	3310.5	66.49	692.02	12.55	14:27:13
2495.4	96	10:48:20	29	3335.6	66.21	782.62	12.43	14:27:13
2493	96	10:48:21	30	3347.6	65.78	780.34	12.28	14:27:15
2492.8	95	10:48:22	31	3360	65.48	760.61	12.04	14:27:15
2488.1	95	10:48:23	32	3371.6	65.37	747.58	11.77	14:27:17
2490	95	10:48:24	33	3382.7	65.18	723.76	11.44	14:27:17
2490.8	95	10:48:25	34	3393	65.02	690.12	11.41	14:27:18
2495.4	95	10:48:26	35	3403.5	64.94	655.47	11.36	14:27:20
2494.1	95	10:48:27	36	3413.9	64.89	628.73	11.22	14:27:20
2497.1	96	10:48:28	37	3423.6	64.95	608.91	11.11	14:27:22
2494.2	96	10:48:29	38	3433.4	65.1	581.8	11.24	14:27:22
2505	96	10:48:30	39	3443.5	65.11	562.39	11.25	14:27:24
2500.7	96	10:48:31	40	3453.6	65.33	567.14	11.41	14:27:24
2496.3	96	10:48:32	41	3464.3	65.34	599.34	11.44	14:27:26

2506.8	96	10:48:33	42	3473.8	65.81	608.88	11.36	14:27:26
2500.7	96	10:48:34	43	3484.9	65.72	615.04	11.09	14:27:28
2502.2	96	10:48:35	44	3494.7	66.19	594.05	10.93	14:27:28
2497.5	96	10:48:36	45	3505	66.19	597.8	10.72	14:27:30
2504.4	96	10:48:37	46	3514.9	66.33	587.2	10.47	14:27:30
2510.7	96	10:48:38	47	3524.4	66.71	588.83	10.4	14:27:32
2510.9	96	10:48:39	48	3535	66.35	577.4	10.57	14:27:32
2505.8	96	10:48:40	49	3543.8	66.76	571.07	10.76	14:27:34
2516.9	96	10:48:41	50	3553.8	66.94	594.3	10.34	14:27:34
2504.1	96	10:48:42	51	3563.3	67.9	633.05	9.92	14:27:36
2512	96	10:48:43	52	3572.1	67.96	615.18	9.7	14:27:36
2503.3	96	10:48:44	53	3580.9	68.22	577.55	10.9	14:27:38
2505.8	96	10:48:45	54	3591.1	67.86	529.66	11.81	14:27:38
2509.8	96	10:48:46	55	3603.8	67.73	553.56	12.02	14:27:40
2508.3	96	10:48:47	56	3617.4	67.38	624.45	12.36	14:27:40
2503	96	10:48:48	57	3630.2	67.1	685.25	12.28	14:27:42
2508.1	96	10:48:49	58	3643.2	66.65	739.15	12.13	14:27:42
2506.2	96	10:48:50	59	3655.7	66.74	765.89	12.08	14:27:44
2511.9	96	10:48:51	60	3668.5	66.33	767.8	11.88	14:27:44
2508.2	96	10:48:52	61	3680.1	65.98	745.25	11.58	14:27:46
2506.3	96	10:48:53	62	3690.9	65.56	706.36	11.49	14:27:46
2508.8	96	10:48:54	63	3701.3	65.24	664.3	11.38	14:27:48
2513.3	96	10:48:55	64	3711.8	65.14	632.81	11.13	14:27:48
2502.9	96	10:48:56	65	3720.9	65.14	610.96	10.85	14:27:50
2512.7	96	10:48:57	66	3729.2	65.18	590.66	10.62	14:27:50
2502.2	96	10:48:58	67	3737.9	65.21	562.37	10.33	14:27:52
2499.4	96	10:48:59	68	3746	65.4	533.71	9.95	14:27:52
2508	96	10:49:00	69	3753.3	65.57	505.84	9.53	14:27:54
2507.5	96	10:49:01	70	3760.1	65.98	470.97	9.14	14:27:54
2508.6	96	10:49:02	71	3765.9	66.39	440.66	8.8	14:27:56

2508.4	96	10:49:03	72	3772.5	66.8	408.48	8.62	14:27:56
2505	96	10:49:04	73	3777.8	67.32	379.6	9.25	14:27:58
2504.5	96	10:49:05	74	3785.3	67.23	332.76	10.49	14:27:58
2513	96	10:49:06	75	3795.2	67.05	326.6	11.09	14:28:00
2508.6	96	10:49:07	76	3806.5	66.64	385.84	11.71	14:28:01
2506.8	96	10:49:08	77	3819.7	66.09	490.05	12.32	14:28:01
2507.9	96	10:49:10	78	3845.6	64.65	644.85	12.74	14:28:03
2510.7	97	10:49:11	79	3859.6	63.59	678.29	12.67	14:28:03
2505.2	97	10:49:12	80	3872	63.17	736.5	12.41	14:28:05
2505.4	97	10:49:13	81	3884	62.78	778.99	11.95	14:28:05
2512	97	10:49:14	82	3894.7	62.39	759.79	11.38	14:28:07
2512.5	96	10:49:15	83	3905.2	62.28	707.24	10.92	14:28:07
2511.3	96	10:49:16	84	3913.6	62.44	659.59	10.63	14:28:09
2515.9	96	10:49:17	85	3921.9	62.77	603.74	10.4	14:28:09
2516.4	96	10:49:18	86	3929.2	62.85	540.04	10.2	14:28:11

2517.9	96	10:49:19	87	3936.9	62.99	467.98	10.1	14:28:11
2505.6	96	10:49:20	88	3944.1	63.21	428.66	10.01	14:28:13
2510.6	96	10:49:21	89	3951	63.45	412.96	9.96	14:28:13
2507.4	96	10:49:22	90	3958.7	63.6	400.72	10.13	14:28:14
2508.3	97	10:49:23	91	3966.9	63.73	409.94	10.28	14:28:16
2505.8	97	10:49:24	92	3975.8	63.93	441.14	10.49	14:28:16
2512.9	97	10:49:25	93	3984.5	64.01	466.31	10.8	
2509.5	97	10:49:26	94	3994	64.17	513.05	10.5	14:31:38
2509	97	10:49:27	95	4004	64.65	574.93	9.79	14:31:39
2510.5	97		96		65.471458			14:31:41
2512.2	97		97					14:31:42
2516.1	97		98					14:31:42
2517.3	96		99					14:31:43
2505.3	96		100					14:31:45
2511.8	96		101					14:31:46
2509.7	96		102					14:31:47
2501.5	96		103					14:31:47
2507	96		104					14:31:48
2503.9	96		105					14:31:50
2500.9	96		106					14:31:51
2506.9	96		107					14:31:51
2502.1	96		108					14:31:52
2506.1	96		109					14:31:53
2504	96		110					14:31:55
2503	96		111					14:31:56
2502.4	96		112					14:31:56
2503.2	97		113					14:31:57
2503.1	97		114					14:31:58
2512.5	97		115					14:32:00

2507.5	97	116	14:32:01
2514.8	97	117	14:32:01
2506.9	97	118	14:32:02
2507	97	119	14:32:04
2510.8	97	120	14:32:05
2511.1	97	121	14:32:06
2506.9	97	122	14:32:06
2515.8	97	123	14:32:07
2511.7	97	124	14:32:08
2503.4024	95.904	125	14:32:10
		126	14:32:11
		127	14:32:11
		128	14:32:12
		129	14:32:13
		130	14:32:15
		131	14:32:16





132	14:32:16
133	14:32:17
134	14:32:18
135	14:32:20
136	14:32:21
137	14:32:22
138	14:32:22
139	14:32:23
140	14:32:25
141	14:32:26
142	14:32:27
143	14:32:27
144	14:32:28
145	14:32:29
146	14:32:31
147	14:32:32
148	14:32:33
149	14:32:33
150	14:32:34
151	14:32:35
152	14:32:37
153	14:32:38
154	14:32:38
155	14:32:39
156	14:32:40
157	14:32:42
158	14:32:43
159	14:32:44
160	14:32:44
161	14:32:45

162	14:32:46
163	14:32:48
164	14:32:49
165	14:32:50
166	14:32:50
167	14:32:51
168	14:32:53
169	14:32:53
170	14:32:55
171	14:32:56
172	14:32:57
173	14:32:57
174	14:32:58
175	14:32:59
176	14:33:01
177	14:33:02

178	14:33:03
179	14:33:03
180	14:33:04
181	14:33:05
182	14:33:06
183	14:33:08
184	14:33:09
185	14:33:10
186	14:33:10
187	14:33:11
188	14:33:12
189	14:33:14
190	14:33:15
191	14:33:16
192	14:33:17
193	14:33:17
194	14:33:18
195	
196	
197	
198	
199	
200	
201	
202	
203	
204	

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224



225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245



246

247

248

249

250

251

252

253

## Team 8 (both)

	AltMSL (ft)	OAT (cels)	V (IAS) kn	VVI (fpm)	RPM	wndsp (kts)	wnd dr (de	BaroA (inch)
0	3002.9	15.5	67.29	933.46	2400.5	20.85	172.1	30.1
1	3015.3	15.5	69.18	864.27	2405.5	20.84	172.8	30.1
2	3024.5	15.2	68.75	797.78	2404.3	20.87	173.4	30.1
3	3031.8	15.2	71.11	702.87	2410.9	20.92	174.1	30.1
4	3038.9	15.2	70.99	580.53	2410.7	21.01	174.7	30.1
5	3048	15.2	71.04	465.99	2405.5	21.11	175.4	30.1
6	3058.9	15.2	72.88	517.78	2416.2	21.23	176	30.1
7	3071.3	15.2	71.73	630.41	2407.1	21.35	176.7	30.1
8	3085.4	15.2	74	677.68	2416.2	21.47	177.3	30.1
9	3102.7	15	73.25	629.99	2414.9	21.61	177.8	30.1
10	3123	15	74.69	856.9	2422.9	21.75	178.3	30.1
11	3142.4	15	71.42	1096.23	2419.4	21.89	178.7	30.1
12	3162.4	15	69.58	953.83	2406.3	22.05	179.1	30.1
13	3178.9	15	70.06	1049.31	2405	22.21	179.5	30.1
14	3196.2	15	66.88	1081.04	2399.7	22.37	179.9	30.1
15	3213.4	15	71.2	1094.98	2397	22.51	-179.8	30.1
16	3229	15	69.68	1121.49	2401.4	22.63	-179.5	30.1
17	3243	14.8	69.18	1083.05	2399.4	22.73	-179.2	30.1
18	3253.8	14.8	65.98	909.26	2390.9	22.83	-179	30.1
19	3266.6	14.8	67.04	741.4	2391.1	22.95	-178.8	30.1
20	3280.9	14.8	67.27	654.38	2394.7	23.08	-178.6	30.1
21	3295.4	14.8	64.94	627.13	2391.7	23.2	-178.4	30.1
22	3311.4	14.8	65.54	736.38	2388.3	23.32	-178.1	30.1
23	3327	14.8	65.47	917.33	2385.9	23.4	-177.8	30.1
24	3341.2	14.8	67.7	1033.99	2389.1	23.45	-177.6	30.1
25	3354.3	14.5	68.09	972.47	2396.5	23.49	-177.3	30.1
26	3365.1	14.5	67.54	787.89	2398.3	23.53	-177	30.1
27	3377.1	14.5	69.89	658.42	2406.2	23.58	-176.8	30.1

28	3391.7	14.5	67.89	691.31	2398.9	23.64	-176.5	30.1
29	3406.2	14.5	70.21	836.77	2394.5	23.67	-176.3	30.1
30	3417	14.5	68.08	834.93	2393.9	23.7	-176.2	30.1
31	3427.4	14.2	69.48	778.96	2393.3	23.72	-176.1	30.1
32	3437.5	14.2	70.11	732.59	2388.4	23.73	-176	30.1
33	3446.8	14.2	68.45	614.75	2392.3	23.74	-176	30.1
34	3455	14.2	67.38	488.36	2388.5	23.76	-175.9	30.1
35	3461.7	14.2	66.67	504.35	2386.5	23.78	-175.9	30.1
36	3471.2	14.2	67.35	480.36	2391.4	23.8	-175.9	30.1
37	3480.8	14.2	67.91	523.79	2393.6	23.81	-175.9	30.1
38	3490.2	14	67.53	519.12	2388.2	23.83	-175.8	30.1
39	3500.4	14	67.13	478.02	2389.9	23.86	-175.8	30.1
40	3510.9	14	66.57	491.06	2390.1	23.91	-175.8	30.1
41	3521.6	14	66.68	583.18	2392.6	23.96	-175.8	30.1



42	3529.1	14	67.25	675.85	2387.6	24	-175.7	30.1
43	3536.8	14	67.59	622.72	2390.1	24.04	-175.7	30.1
44	3543.2	14	66.18	449.68	2389.6	24.1	-175.7	30.1
45	3549.5	13.8	65.49	307.63	2386.2	24.18	-175.7	30.1
46	3555.6	13.8	64.78	276.05	2385.8	24.29	-175.7	30.1
47	3561.5	13.8	65.47	329.76	2388.1	24.4	-175.6	30.1
48	3567.2	13.8	66.67	445.79	2379.9	24.53	-175.6	30.1
49	3571	13.8	67.1	425.03	2387.2	24.67	-175.5	30.1
50	3575.1	13.8	68.39	285.64	2389.3	24.84	-175.5	30.1
51	3579.2	13.8	69.62	233.33	2400	25.02	-175.4	30.1
52	3585	13.8	69.87	242.14	2410.1	25.22	-175.4	30.1
53	3594.1	13.8	70.41	286.25	2400.3	25.44	-175.4	30.1
54	3602.5	13.5	70.46	338.41	2401.2	25.66	-175.4	30.1
55	3612.3	13.5	71.71	422.97	2407.2	25.91	-175.4	30.1
56	3623.6	13.5	70.96	508.61	2401.6	26.15	-175.5	30.1
57	3633.2	13.5	70.56	623.59	2399.4	26.39	-175.6	30.1
58	3642.5	13.5	70	611.16	2400.4	26.62	-175.6	30.1
59	3650.9	13.5	69.32	548.87	2399.2	26.84	-175.7	30.1
60	3659.9	13.5	68.32	523.15	2400	27.05	-175.7	30.1
61	3667.4	13.5	68.46	531.44	2394.1	27.24	-175.8	30.1
62	3675.1	13.5	69.82	560.2	2394.9	27.42	-175.8	30.1
63	3683.1	13.5	69.62	492.98	2395.4	27.58	-175.8	30.1
64	3691.1	13.5	70.08	467.91	2408	27.73	-175.8	30.1
65	3701	13.5	70.67	462.28	2399.9	27.87	-175.8	30.1
66	3711.1	13.5	71.02	458.08	2404.5	28	-175.8	30.1
67	3720.7	13.5	70.94	595.53	2397.9	28.13	-175.8	30.1
68	3729.7	13.5	69.88	526.01	2399.7	28.26	-175.8	30.1
69	3740.2	13.2	70.46	470.68	2403.2	28.4	-175.8	30.1
70	3751.9	13.2	71.42	592.94	2408.6	28.53	-175.7	30.1
71	3762.9	13.2	72.82	666.2	2406.6	28.66	-175.7	30.1

72	3775.8	13.2	72.68	676.48	2402.8	28.8	-175.7	30.1
73	3790.2	13.2	72.65	667.18	2411.7	28.93	-175.7	30.1
74	3803.9	13.2	72.25	769.35	2403.5	29.05	-175.8	30.1
75	3817.3	13.2	71.33	863.12	2399.9	29.14	-175.8	30.1
76	3829.9	13.2	71.84	863.62	2394.9	29.2	-175.9	30.1
77	3843.3	13.2	71.82	787.49	2399.8	29.22	-176.1	30.1
78	3854.8	13.2	71.87	807.87	2407.2	29.21	-176.2	30.1
79	3866.1	13.2	71.19	844.73	2389.6	29.16	-176.4	30.1
80	3878.7	13.2	70.5	710.6	2390.5	29.08	-176.6	30.1
81	3890.6	13.2	68.66	593.81	2390.7	28.99	-176.8	30.1
82	3902.3	13	67.88	604.27	2391.6	28.88	-177	30.1
83	3912.3	13	68.73	742.75	2388.7	28.74	-177.2	30.1
84	3921.9	13	68.72	701.38	2382.6	28.57	-177.4	30.1
85	3931.3	13	67.95	655.09	2390.5	28.38	-177.7	30.1
86	3939.2	13	67.73	651.02	2381	28.16	-177.9	30.1

87	3948.2	13	67.53	538.91	2383.1	27.94	-178.1	30.1
88	3957.4	13	67.6	442.67	2379	27.72	-178.2	30.1
89	3967.6	13	69.27	474.84	2388.8	27.51	-178.4	30.1
90	3977.2	13	69.73	537.75	2390.7	27.3	-178.6	30.1
91	3987.5	13	68.55	575.02	2385.8	27.1	-178.9	30.1
92	3998.7	12.8	68.7	586.19	2391.1	26.92	-179.1	30.1
			69.207849	643.10548	2396.9591			
0	2997.9	14.8	72.14	660.13	2420.7	17.6	172.9	30.1
1	3010.5	14.8	72.5	644.49	2418.5	17.48	172.7	30.1
2	3022	14.8	72.58	664.76	2424	17.36	172.5	30.1
3	3035.5	14.8	72.67	594.31	2435.3	17.23	172.4	30.1
4	3050.3	14.8	72.14	668.58	2417.5	17.08	172.4	30.1
5	3066.5	14.8	70.77	779.19	2411	16.94	172.5	30.1
6	3082	14.8	70.76	830.4	2410.9	16.79	172.6	30.1
7	3096	14.8	70.16	900.58	2425.4	16.65	172.8	30.1
8	3109.5	14.8	72.11	930.17	2409	16.51	173.1	30.1
9	3121.2	14.8	71.34	846.22	2416.2	16.38	173.4	30.1
10	3133.2	14.5	71.1	731.26	2411.6	16.24	173.9	30.1
11	3144.2	14.5	70.39	687.4	2411.3	16.11	174.5	30.1
12	3154.2	14.5	68.51	655.03	2412.1	15.98	175.1	30.1
13	3164.3	14.5	66.03	580.71	2405.1	15.86	175.7	30.1
14	3173.3	14.8	66.33	599	2397.5	15.75	176.3	30.1
15	3179.8	14.8	65.9	565.84	2399.7	15.66	176.8	30.1
16	3184.5	14.5	65.08	557.25	2392.9	15.6	177.3	30.1
17	3189.5	14.5	66.73	545.49	2403.4	15.56	177.7	30.1
18	3192.2	14.5	66.23	368.22	2391.3	15.54	178	30.1
19	3197.5	14.5	66.25	184.88	2396.7	15.51	178.3	30.1
20	3205.8	14.5	67.07	244.63	2395.5	15.47	178.6	30.1
21	3215.6	14.5	68.14	348.42	2407.7	15.43	178.7	30.1
22	3231.3	14.5	68.11	375.88	2403.7	15.37	178.9	30.1

23	3249.9	14.5	70.13	653.99	2406.8	15.3	179	30.1
24	3268.7	14.5	70.26	999.52	2404.5	15.23	179.2	30.1
25	3288.3	14.5	68.19	961.73	2406	15.13	179.4	30.1
26	3310.3	14.5	67.82	993.34	2406.6	15.01	179.6	30.1
27	3330.8	14.5	68.43	1190.28	2397.1	14.87	179.7	30.1
28	3350.4	14.5	65.35	1193.71	2388.9	14.71	179.9	30.1
29	3367.7	14.5	63.53	1095.17	2385.5	14.54	179.9	30.1
30	3381.5	14.5	64.8	1044.36	2389	14.37	179.7	30.1
31	3394.5	14.5	63.85	1015.18	2383.2	14.23	179.5	30.1
32	3408.5	14.2	66.21	1017.94	2396.5	14.1	179.1	30.1
33	3421.7	14.2	64.95	807.93	2392.3	13.99	178.6	30.1
34	3434.6	14.2	70.76	777.59	2407	13.88	178	30.1
35	3446.5	14.2	70.1	826	2410.2	13.79	177.4	30.1
36	3461.1	14.2	70.82	814.03	2406.7	13.72	176.9	30.1
37	3475.4	14.2	70.09	775.71	2409.9	13.67	176.3	30.1

38	3488.4	14	69.71	845.5	2401.8	13.65	175.9	30.1
39	3499.3	14	68.59	898.35	2398.6	13.67	175.5	30.1
40	3506.9	14	66.17	816.71	2386.3	13.74	175.1	30.1
41	3512.5	14	63.98	628.94	2386.4	13.83	174.7	30.1
42	3513.9	14	66.07	485.61	2383.9	13.96	174.2	30.1
43	3512.7	14	67.49	408.28	2385.1	14.11	173.7	30.1
44	3510.9	14	65.76	111.53	2386.5	14.26	173.2	30.1
45	3509.3	14	68.01	-17.49	2393.6	14.4	172.7	30.1
46	3508.9	14	68.31	-134.07	2394.1	14.52	172.2	30.1
47	3508.9	13.8	67.47	-72.74	2399.9	14.62	171.6	30.1
48	3511	13.8	68.66	-76.53	2396.8	14.69	170.9	30.1
49	3512.1	13.8	67.09	-45.5	2397.7	14.75	170.2	30.1
50	3514.8	13.8	72.22	92.69	2405.3	14.8	169.5	30.1
51	3519.9	13.8	72.46	201.63	2407.3	14.86	168.8	30.1
52	3528.9	13.8	72.75	149.05	2418	14.94	168.2	30.1
53	3543.7	13.8	71.83	220.66	2410.6	15.03	167.7	30.1
54	3561.2	13.8	74.23	493.04	2422.7	15.14	167.2	30.1
55	3580.9	13.5	75.48	868.75	2423.5	15.27	166.9	30.1
56	3601.2	13.5	74.62	1073.89	2419.2	15.43	166.8	30.1
57	3620.9	13.5	72.91	1168.43	2417.6	15.6	166.8	30.1
58	3640.9	13.5	70.68	1067.09	2406	15.77	166.9	30.1
59	3659.9	13.5	69.52	1024.59	2405.5	15.95	167.1	30.1
60	3680	13.5	70.86	1198.53	2402.5	16.15	167.4	30.1
61	3697	13.5	69.57	1241.2	2402.1	16.38	167.9	30.1
62	3709	13.5	67.62	1155.64	2391.4	16.62	168.3	30.1
63	3718.3	13.5	68.37	1002.67	2390.5	16.89	168.9	30.1
64	3726.1	13.5	67.78	830.55	2387.6	17.16	169.4	30.1
65	3733.7	13.5	67.59	587.89	2386.6	17.43	170	30.1
66	3739.6	13.5	67.21	435.69	2386.1	17.68	170.6	30.1
67	3745.4	13.5	67.18	382.23	2380.6	17.91	171.2	30.1

68	3749.4	13.5	66.68	361.14	2385.5	18.11	171.8	30.1
69	3752.9	13.5	67.21	302.24	2386.1	18.3	172.3	30.1
70	3756.3	13.5	68.74	326.29	2389.2	18.47	172.8	30.1
71	3758.8	13.2	69.39	315.3	2391.3	18.65	173.3	30.1
72	3762.8	13.2	70.13	271.06	2402.5	18.82	173.8	30.1
73	3767	13.2	69.94	178.85	2391.6	18.98	174.2	30.1
74	3771.8	13.2	71.56	236.15	2406.1	19.13	174.6	30.1
75	3777.8	13.2	70.21	240.07	2401	19.28	175	30.1
76	3784.6	13.2	69.76	268.7	2395.1	19.41	175.4	30.1
77	3792.2	13.2	70.64	272.99	2404	19.52	175.7	30.1
78	3798.4	13.2	70.49	304.19	2401.1	19.6	175.9	30.1
79	3806	13	71.02	409.07	2400.2	19.66	176.1	30.1
80	3814.4	13	71.33	438.23	2398.5	19.71	176.3	30.1
81	3823.7	13	72.24	573.49	2400.1	19.74	176.5	30.1
82	3832	13	71.27	510.24	2401.8	19.76	176.7	30.1
83	3839.4	13	71.57	492.22	2412.8	19.76	176.9	30.1

84	3848.7	13	73.12	568.95	2397.4	19.77	177.1	30.1
85	3858.4	13	70.94	517.42	2392.4	19.77	177.4	30.1
86	3866.9	13	72.53	525.07	2403	19.77	177.7	30.1
87	3876.1	12.8	71.26	490.2	2403.2	19.75	178	30.1
88	3885.8	12.8	67.88	246.05	2396.2	19.69	178.4	30.1
89	3898.7	12.8	71.41	340.42	2401.4	19.59	178.8	30.1
90	3909.8	12.8	69.04	571.98	2397.1	19.47	179.2	30.1
91	3920.7	12.8	69.99	636.68	2396	19.35	179.6	30.1
92	3931.8	12.8	69.91	789.26	2392.9	19.23	-179.9	30.1
93	3941.5	12.8	69.56	785.81	2396.7	19.11	-179.4	30.1
94	3950.9	12.8	67.13	538.42	2390.9	18.99	-179	30.1
95	3959.2	12.8	66.76	422.05	2390	18.86	-178.5	30.1
96	3970.2	12.8	66.95	478.85	2393.3	18.72	-178.2	30.1
97	3979.9	12.8	68.04	597.51	2385.1	18.61	-177.8	30.1
98	3989	12.8	70.64	801.29	2395	18.52	-177.5	30.1
99	3996.9	12.5	70	725.65	2391.3	18.44	-177.2	30.1
100	4005.2	12.5	68.91	538.74	2397.2	18.36	-176.8	30.1
101			69.2263	595.8658	2400.463			
102								
103								
104								
105								
106								
107								
108								
109								
110								

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130



131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

## Team 9 (1)

hh:mm:ss	ft msl		kt	fpm	gals	gals	gph	rpm
Lcl Time	AltMSL		IAS	VSpd	FQtyL	FQtyR	E1 FFlow	E1 RPM
10:59:08	0	2997.9	83.84	227.38	17.36	23.83	5.45	1632.7
10:59:09	1	3003.1	82.11	248.53	17.36	23.83	5.4	1620.7
10:59:10	2	3008.7	80.6	255.69	17.34	23.83	5.48	1613.4
10:59:11	3	3014.9	79.03	264.09	17.36	23.81	5.47	1602.7
10:59:12	4	3019.5	77.69	284.62	17.36	23.81	5.46	1593.1
10:59:13	5	3023.2	76.54	284.26	17.39	23.79	5.46	1584.5
10:59:14	6	3025.6	75.6	256.37	17.42	23.79	5.51	1608.9
10:59:15	7	3027.5	74.8	186.41	17.44	23.75	8.41	1752.5
10:59:16	8	3028.9	74.85	102.11	17.44	23.73	13.33	2064.7
10:59:17	9	3028.9	75.95	75.53	17.44	23.71	13.71	2178.2
10:59:18	10	3030.1	76.55	16.01	17.5	23.71	13.73	2201.9
10:59:19	11	3032.3	77.76	41.11	17.57	23.71	13.81	2208.4
10:59:20	12	3036	78.55	89.09	17.57	23.73	13.71	2208.6
10:59:21	13	3043.1	78.33	105.42	17.65	23.77	13.77	2213.1
10:59:22	14	3054.6	77.81	199.35	17.65	23.81	13.72	2210.2
10:59:23	15	3067.6	76.96	355.3	17.73	23.87	13.76	2211.6
10:59:24	16	3080.8	76.26	514.56	17.79	23.92	13.81	2208.4
10:59:25	17	3094.1	75.85	679.87	17.81	23.92	13.83	2203.5
10:59:26	18	3107.6	75.37	785.26	17.73	23.98	13.78	2201.5
10:59:27	19	3120	74.77	812.82	17.73	23.98	13.67	2200.7
10:59:28	20	3132.5	74.29	804.49	17.65	24	13.75	2196.9
10:59:29	21	3142.4	74.04	774.33	17.65	24	13.74	2198.5
10:59:30	22	3150.4	73.99	693.47	17.57	24	13.82	2195.7
10:59:31	23	3157.7	74.28	600.21	17.55	24	13.92	2195.3
10:59:32	24	3164.1	74.23	501.56	17.55	24	13.8	2196.8
10:59:33	25	3169	74.52	426.92	17.71	24	13.79	2198.7

10:59:34	26	3172.8	75.15	402	17.71	24	13.79	2199.4
10:59:35	27	3177.4	75.14	347.53	17.71	24	13.81	2199.3
10:59:36	28	3182.7	75.43	298.35	17.84	24	13.7	2198.9
10:59:37	29	3188.9	75.64	296.62	17.94	24	13.62	2200.9
10:59:38	30	3195.9	75.72	336.28	18.02	24	13.84	2202.7
10:59:39	31	3204.9	75.84	377.46	18.07	24	13.72	2203.7
10:59:40	32	3213.8	75.39	398.47	18.07	24	13.64	2199.5
10:59:41	33	3223.2	75.32	443.94	18.07	24	13.61	2202.8
10:59:42	34	3233.2	75.09	498.97	18.07	24	13.76	2199.4
10:59:43	35	3243.4	74.78	529.33	18.07	24	13.73	2196.6
10:59:44	36	3253.8	74.63	566.38	18.07	24	13.73	2200
10:59:45	37	3262.5	74.46	600.61	18.07	24	13.7	2196.9
10:59:46	38	3269.3	74.39	601.7	18.07	24	13.64	2199.2
10:59:47	39	3277.6	74.33	562.85	18.07	24	13.73	2195.6
10:59:48	40	3285.1	74.38	518.07	18.1	24	13.73	2195
10:59:49	41	3292.6	74.48	482.65	18.15	24	13.82	2194.4

10:59:50	42	3300	74.36	456.21	18.17	24	13.78	2194.2
10:59:51	43	3308.4	74.42	448.29	18.2	24	13.7	2196.3
10:59:52	44	3316.5	74.5	448.01	18.2	24	13.65	2195.9
10:59:53	45	3324.3	74.43	448	18.23	23.98	13.86	2191.9
10:59:54	46	3331.9	74.31	434.95	18.23	23.98	13.79	2195.2
10:59:55	47	3339.6	74.12	432.11	18.23	23.98	13.88	2193.8
10:59:56	48	3347.4	74.09	443.4	18.23	23.98	13.84	2192.6
10:59:57	49	3355.4	73.91	454.43	18.23	23.96	13.74	2192.3
10:59:58	50	3361.8	73.72	441.37	18.23	23.96	13.61	2195.4
10:59:59	51	3369.7	73.69	438.49	18.23	23.96	13.73	2191.4
11:00:00	52	3377.5	73.67	459.49	18.23	23.96	13.67	2191.5
11:00:01	53	3385.3	73.71	470.23	18.23	23.96	13.67	2194.2
11:00:02	54	3393.1	73.67	464.5	18.23	23.96	13.67	2194.3
11:00:03	55	3400.9	73.72	464.02	18.25	23.96	13.58	2191.6
11:00:04	56	3410	73.55	464	18.25	23.96	13.64	2191.2
11:00:05	57	3418.7	73.37	468.33	18.28	23.96	13.61	2191.7
11:00:06	58	3427.1	73.28	467.23	18.28	23.96	13.7	2191.3
11:00:07	59	3435	73.01	471.92	18.28	23.96	13.59	2189.5
11:00:08	60	3443.9	72.97	480.24	18.28	23.96	13.62	2187.7
11:00:09	61	3451.5	72.99	494.64	18.28	23.96	13.67	2191.8
11:00:10	62	3458.6	72.82	485.26	18.28	23.96	13.61	2190
11:00:11	63	3466.6	72.94	480.21	18.25	23.96	13.58	2188.5
11:00:12	64	3473.6	72.92	469.81	18.25	23.96	13.6	2190.2
11:00:13	65	3479.6	73.13	433.3	18.25	23.96	13.65	2191.8
11:00:14	66	3485	73.52	396.78	18.25	23.96	13.65	2193.4
11:00:15	67	3490.9	73.56	337.21	18.23	23.96	13.62	2194.4
11:00:16	68	3496.9	73.84	318.24	18.2	23.98	13.72	2196.1
11:00:17	69	3501.8	74.29	307.51	18.2	23.98	13.64	2199.6
11:00:18	70	3507.3	74.53	298.36	18.17	23.98	13.59	2193.7

11:00:19	71	3513	75.03	313.66	18.12	23.98	13.5	2178.7
11:00:20	72	3518.8	74.94	306.28	18.07	24	13.54	2195.2
11:00:21	73	3523.5	75.07	306.56	18	24	13.7	2202.7
11:00:22	74	3528.5	75.61	345.31	17.92	24	13.7	2200.6
11:00:23	75	3534.1	76.03	378.91	17.92	24	13.72	2203.6
11:00:24	76	3539.5	76.59	376.79	17.79	24	13.72	2205.7
11:00:25	77	3544.4	76.89	345.04	17.76	24	13.72	2211
11:00:26	78	3549.6	77.33	333.81	17.76	24	13.8	2212.1
11:00:27	79	3557.2	77.56	322.4	17.73	24	13.75	2209.8
11:00:28	80	3566.3	77.79	335.61	17.71	24	13.64	2210.7
11:00:29	81	3575.9	77.38	373.4	17.71	24	13.73	2214.4
11:00:30	82	3585.9	76.61	414	17.71	24	13.72	2212.1
11:00:31	83	3596.1	76	451.22	17.71	24	13.71	2210.8
11:00:32	84	3606.3	75.42	499.89	17.65	24	13.66	2210.1
11:00:33	85	3615.5	74.84	558.24	17.57	24	13.73	2208
11:00:34	86	3623.3	74.56	594.81	17.57	24	13.73	2203.7

11:00:35	87	3633	74.28	619.96	17.57	24	13.78	2204.5
11:00:36	88	3642.4	74.17	610.03	17.5	24	13.76	2202.3
11:00:37	89	3651.8	74.02	613.36	17.47	24	13.72	2202.8
11:00:38	90	3660.6	73.1	568.29	17.47	24	13.78	2198.2
11:00:39	91	3670.1	72.87	529.31	17.6	24	13.75	2200.4
11:00:40	92	3678.6	72.79	487.1	17.6	24	13.62	2198.5
11:00:41	93	3686.6	72.51	469.56	17.6	24	13.7	2197.2
11:00:42	94	3694.5	73.16	466.27	17.71	24	13.7	2201.1
11:00:43	95	3702.4	73.06	463.82	17.92	24	13.64	2203.2
11:00:44	96	3709.9	73.11	416.99	17.92	24	13.71	2201.5
11:00:45	97	3715.6	73.28	445.91	17.92	24	13.65	2200.7
11:00:46	98	3720.9	73.44	441.8	17.97	24	13.65	2198.7
11:00:47	99	3727.5	73.68	410.54	17.97	24	13.75	2201.4
11:00:48	100	3734.8	74.39	441.24	17.94	24	13.7	2201.6
11:00:49	101	3741.5	74.61	483.02	17.89	24	13.62	2201.3
11:00:50	102	3747.8	74.81	489.32	17.84	24	13.69	2203.6
11:00:51	103	3754	75.02	423.04	17.84	24	13.77	2204.4
11:00:52	104	3760.9	75.18	387.11	17.79	24	13.76	2204.5
11:00:53	105	3767.2	75.54	363.08	17.79	24	13.77	2207.1
11:00:54	106	3773.4	75.59	345.02	17.81	24	13.65	2205.5
11:00:55	107	3779.8	76.03	361.52	17.86	23.98	13.62	2204.7
11:00:56	108	3786.5	76.33	370.83	17.94	23.92	13.58	2207.3
11:00:57	109	3792.4	76.58	369.12	18.05	23.85	13.79	2209.6
11:00:58	110	3798.2	76.64	379.41	18.05	23.79	13.73	2210.4
11:00:59	111	3805.8	76.71	408.69	18.12	23.73	13.79	2209.5
11:01:00	112	3813.4	76.58	428.76	18.23	23.73	13.68	2209.4
11:01:01	113	3821.1	76.49	446.79	18.28	23.64	13.52	2207.4
11:01:02	114	3829.1	76.51	449.47	18.3	23.58	13.77	2208.6
11:01:03	115	3839.1	76.49	448.66	18.33	23.54	13.65	2207.8

11:01:04	116	3848.9	76.16	474.05	18.33	23.5	13.59	2206.1
11:01:05	117	3858.1	75.94	496.86	18.33	23.45	13.76	2205.1
11:01:06	118	3867.6	75.59	521.91	18.33	23.45	13.74	2205.3
11:01:07	119	3876.7	75.66	527.76	18.33	23.43	13.77	2203.4
11:01:08	120	3885.5	75.69	529.98	18.33	23.39	13.71	2204.5
11:01:09	121	3892.6	75.13	509.61	18.33	23.39	13.69	2202.1
11:01:10	122	3899.7	74.83	481.88	18.35	23.39	13.71	2203.2
11:01:11	123	3906.9	74.91	476.45	18.35	23.39	13.51	2202.4
11:01:12	124	3914.4	74.8	449.19	18.35	23.39	13.64	2203
11:01:13	125	3921.1	74.98	438.47	18.38	23.41	13.6	2202.4
11:01:14	126	3927.7	75.03	427.78	18.38	23.41	13.5	2204.9
11:01:15	127	3935.3	74.69	414.05	18.35	23.45	13.69	2201.3
11:01:16	128	3943.7	74.66	374.31	18.33	23.45	13.66	2201
11:01:17	129	3950.3	74.84	381.32	18.33	23.45	13.6	2202.3
11:01:18	130	3957.9	74.95	402.7	18.28	23.47	13.41	2200.8
11:01:19	131	3965.3	74.51	420.43	18.25	23.5	13.67	2201.9



11:01:20	132	3973.1	74.48	408.01	18.23	23.52	13.64	2201.4
11:01:21	133	3979.5	74.31	420.36	18.2	23.56	13.61	2204.8
11:01:22	134	3985.9	74.54	425.88	18.2	23.56	13.64	2200.5
11:01:23	135	3992.8	74.53	444	18.2	23.56	13.7	2201.8
11:01:24	136	3999.9	74.66	436.46	18.2	23.58	13.69	2202.8
11:01:25	137	4005.9	74.84	430.86	18.25	23.56	13.59	2200.8

138                    75.116884 426.15058 17.962754 23.865072 13.237754 2166.2406

- 139
- 140
- 141
- 142
- 143
- 144
- 145
- 146
- 147
- 148
- 149
- 150
- 151
- 152
- 153
- 154
- 155
- 156
- 157
- 158
- 159
- 160
- 161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

## Team 10 (both)

#yyy-mm-dd	hh:mm:ss	inch		ft msl	deg C	kt	rpm	kt
Lcl Date	Lcl Time	BaroA		AltMSL	OAT	IAS	E1 RPM	TAS
3/10/18	12:50:28	29.79	0	2994.1	14	77.41	2216.9	82
3/10/18	12:50:30	29.79	1	3006.2	14	77.2	2222.1	82
3/10/18	12:50:31	29.79	2	3018.4	14	75.46	2213.9	80
3/10/18	12:50:31	29.79	3	3028.8	14	75.31	2208.2	80
3/10/18	12:50:32	29.79	4	3038.4	14.2	75.44	2212.7	80
3/10/18	12:50:34	29.79	5	3048	14.2	75.14	2223.9	79
3/10/18	12:50:35	29.79	6	3055	14.2	76.7	2226.9	81
3/10/18	12:50:35	29.79	7	3061.5	14.2	78.16	2217.1	83
3/10/18	12:50:36	29.79	8	3067	14.2	76.82	2207.9	81
3/10/18	12:50:38	29.79	9	3072.7	14.5	76.69	2226.1	81
3/10/18	12:50:39	29.79	10	3080	14.5	77.25	2226.9	82
3/10/18	12:50:39	29.79	11	3087.7	14.5	77.3	2215.4	82
3/10/18	12:50:40	29.79	12	3097.1	14.5	77.94	2217.3	83
3/10/18	12:50:42	29.79	13	3107.2	14.5	77.84	2231.3	82
3/10/18	12:50:43	29.79	14	3117	14.5	79.11	2219.2	84
3/10/18	12:50:43	29.79	15	3127.1	14.5	78.15	2227.5	83
3/10/18	12:50:44	29.79	16	3136.6	14.5	78.14	2231.1	83
3/10/18	12:50:46	29.79	17	3147.1	14.8	78.28	2223.9	83
3/10/18	12:50:47	29.79	18	3156.7	14.8	77.96	2221.6	83
3/10/18	12:50:47	29.79	19	3166.3	14.8	77.32	2216.9	82
3/10/18	12:50:48	29.79	20	3175.3	14.8	77.84	2225.7	83
3/10/18	12:50:49	29.79	21	3184	14.8	77.58	2214.2	82
3/10/18	12:50:51	29.79	22	3191.8	14.8	78.13	2213.4	83
3/10/18	12:50:52	29.79	23	3198.8	14.8	78.13	2232	83
3/10/18	12:50:52	29.79	24	3207.6	14.8	78.31	2235.7	83
3/10/18	12:50:53	29.79	25	3216.2	14.8	78.29	2216.6	83



3/10/18	12:50:55	29.79	26	3225.2	14.8	78.53	2232.5	83
3/10/18	12:50:56	29.79	27	3233.6	15	78.41	2230.5	83
3/10/18	12:50:56	29.79	28	3242.9	15	78.54	2222.2	83
3/10/18	12:50:58	29.79	29	3253.3	15	78.57	2224.8	83
3/10/18	12:50:59	29.79	30	3263.2	15	78.65	2227.6	84
3/10/18	12:50:59	29.79	31	3272.7	15	78.56	2225.2	83
3/10/18	12:51:00	29.79	32	3282.3	15	78.36	2219.9	83
3/10/18	12:51:02	29.79	33	3290.7	15	78.47	2222.4	83
3/10/18	12:51:03	29.79	34	3298.5	15	78.6	2223.4	84
3/10/18	12:51:03	29.79	35	3304.7	15	78.72	2220.6	84
3/10/18	12:51:04	29.79	36	3311.8	15	78.56	2226.5	84
3/10/18	12:51:06	29.79	37	3319	15	78.74	2225.5	84
3/10/18	12:51:07	29.79	38	3325.8	15	78.84	2224.4	84
3/10/18	12:51:07	29.79	39	3332.4	15.2	78.96	2227.9	84
3/10/18	12:51:08	29.79	40	3339.5	15.2	79.34	2237.4	84
3/10/18	12:51:10	29.79	41	3347.6	15.2	79.37	2225.4	85

3/10/18	12:51:11	29.79	42	3355	15.2	79.94	2232.7	85
3/10/18	12:51:11	29.79	43	3362.5	15.2	79.91	2236.3	85
3/10/18	12:51:12	29.79	44	3370.6	15.2	80.32	2227	86
3/10/18	12:51:14	29.79	45	3378.7	15.2	80.4	2234.1	86
3/10/18	12:51:15	29.79	46	3387.2	15.2	80.81	2236.7	86
3/10/18	12:51:15	29.79	47	3395.5	15.2	80.96	2227.3	86
3/10/18	12:51:16	29.79	48	3405.8	15.2	80.94	2236.4	86
3/10/18	12:51:18	29.79	49	3416.4	15.2	81.24	2231.3	87
3/10/18	12:51:18	29.79	50	3427.7	15.2	80.76	2225	86
3/10/18	12:51:19	29.79	51	3439.7	15.2	80.07	2229.5	85
3/10/18	12:51:21	29.79	52	3451.6	15.2	79.76	2224.3	85
3/10/18	12:51:22	29.79	53	3465.1	15.2	79.2	2222.3	85
3/10/18	12:51:22	29.79	54	3476.6	15.2	78.31	2222.2	84
3/10/18	12:51:23	29.79	55	3487.7	15.2	78.07	2218.2	83
3/10/18	12:51:25	29.79	56	3498.2	15.2	77.7	2218.2	83
3/10/18	12:51:26	29.79	57	3507.9	15.2	77.52	2219.9	83
3/10/18	12:51:26	29.79	58	3516.4	15.2	77.28	2214	83
3/10/18	12:51:27	29.79	59	3523.6	15.2	77.51	2218.7	83
3/10/18	12:51:29	29.79	60	3531.6	15.2	77.26	2214.2	83
3/10/18	12:51:29	29.79	61	3539	15.2	77.24	2218.2	83
3/10/18	12:51:30	29.79	62	3545.8	15.2	77.17	2229.9	82
3/10/18	12:51:32	29.79	63	3552.5	15.2	77.42	2214.7	83
3/10/18	12:51:33	29.79	64	3558.2	15.2	78.1	2222.1	83
3/10/18	12:51:33	29.79	65	3565.2	15.2	78.39	2226.1	84
3/10/18	12:51:34	29.79	66	3571	15.2	79.58	2222.8	85
3/10/18	12:51:36	29.79	67	3577.3	15.2	79.92	2218.8	85
3/10/18	12:51:37	29.79	68	3583.8	15.2	80.05	2226.7	86
3/10/18	12:51:37	29.79	69	3591.5	15.2	80.15	2229.6	86
3/10/18	12:51:39	29.79	70	3599.8	15.2	80.05	2223.7	86
3/10/18	12:51:40	29.79	71	3607	15.2	79.61	2228.4	85

3/10/18	12:51:40	29.79	72	3616	15.2	79.23	2228.9	85
3/10/18	12:51:41	29.79	73	3624.8	15.2	79.13	2218.2	85
3/10/18	12:51:43	29.79	74	3633.9	15.2	78.88	2226.8	84
3/10/18	12:51:44	29.79	75	3643.4	15.2	78.8	2227	84
3/10/18	12:51:44	29.79	76	3651.8	15.2	78.58	2220.4	84
3/10/18	12:51:46	29.79	77	3661.9	15.2	78.56	2217.5	84
3/10/18	12:51:47	29.79	78	3670.6	15.2	78.61	2222.8	84
3/10/18	12:51:47	29.79	79	3679	15.2	78.01	2228.9	84
3/10/18	12:51:48	29.79	80	3687.3	15.2	78.43	2216.9	84
3/10/18	12:51:50	29.79	81	3695.5	15.2	78.96	2223	85
3/10/18	12:51:50	29.79	82	3702.9	15.2	79.18	2223.2	85
3/10/18	12:51:51	29.79	83	3709.6	15.2	79.48	2222.9	85
3/10/18	12:51:53	29.79	84	3717.9	15.2	79.49	2219.6	85
3/10/18	12:51:54	29.79	85	3726.1	15.2	79.87	2230.8	86
3/10/18	12:51:54	29.79	86	3734.5	15.2	80.06	2223.7	86

3/10/18	12:51:56	29.79	87	3743.8	15.2	79.97	2227.2	86
3/10/18	12:51:57	29.79	88	3753.5	15.2	80.03	2225.3	86
3/10/18	12:51:57	29.79	89	3764.8	15.2	79.96	2227.9	86
3/10/18	12:51:58	29.79	90	3774.9	15.2	79.97	2228.8	86
3/10/18	12:52:00	29.79	91	3786.2	15.2	80.01	2226.6	86
3/10/18	12:52:00	29.79	92	3797.7	15.2	79.89	2220.3	86
3/10/18	12:52:01	29.79	93	3809.8	15.2	79.5	2233.4	85
3/10/18	12:52:03	29.79	94	3820.8	15.2	79.25	2228.6	85
3/10/18	12:52:04	29.79	95	3831.1	15.2	79.07	2224.1	85
3/10/18	12:52:04	29.79	96	3843	15.2	78.87	2220.1	85
3/10/18	12:52:06	29.79	97	3854.1	15.2	78.63	2217.4	84
3/10/18	12:52:07	29.79	98	3865.2	15.2	78.55	2218.7	84
3/10/18	12:52:07	29.79	99	3876.1	15.2	78.37	2215.5	84
3/10/18	12:52:08	29.79	100	3886.1	15.2	78.39	2231.8	84
3/10/18	12:52:10	29.79	101	3897.1	15.2	78.47	2215.5	84
3/10/18	12:52:10	29.79	102	3906.4	15.2	78.56	2225.4	84
3/10/18	12:52:11	29.79	103	3915.6	15.2	78.61	2217.6	85
3/10/18	12:52:13	29.79	104	3924.5	15.2	78.71	2222.5	85
3/10/18	12:52:14	29.79	105	3933.7	15	78.91	2220	85
3/10/18	12:52:14	29.79	106	3941.7	15	79.29	2222.9	85
3/10/18	12:52:16	29.79	107	3949	15	79.49	2224.2	86
3/10/18	12:52:17	29.79	108	3958	15	79.7	2223.5	86
3/10/18	12:52:17	29.79	109	3966.9	15	79.99	2222	86
3/10/18	12:52:19	29.79	110	3976.1	15	80.15	2224.1	86
3/10/18	12:52:20	29.79	111	3986.8	15	79.88	2220.1	86
3/10/18	12:52:21	29.79	112	4006.3	15	79.77	2223.3	86
						78.708142	2223.6044	84.026549
3/10/18	12:55:49	29.79	0	2995.8	13.8	82.06	2234.3	87
3/10/18	12:55:51	29.79	1	3010.5	13.8	82.21	2236.5	87
3/10/18	12:55:51	29.79	2	3022.8	13.8	82.16	2251.5	87

3/10/18	12:55:53	29.79	3	3037	13.8	81.7	2239.7	86
3/10/18	12:55:53	29.79	4	3052.1	13.8	81.9	2250.8	87
3/10/18	12:55:55	29.79	5	3067.8	13.8	81.82	2236.8	86
3/10/18	12:55:55	29.79	6	3083.6	14	81.41	2247.2	86
3/10/18	12:55:57	29.79	7	3098.9	14	80.72	2242.5	85
3/10/18	12:55:58	29.79	8	3115.5	14	80.37	2239.7	85
3/10/18	12:55:58	29.79	9	3131.3	14	79.67	2232	84
3/10/18	12:56:00	29.79	10	3146.3	14.2	78.93	2241.2	84
3/10/18	12:56:00	29.79	11	3162.7	14.2	78.37	2232.5	83
3/10/18	12:56:02	29.79	12	3187.6	14.5	77.98	2237.8	83
3/10/18	12:56:04	29.79	13	3198.8	14.5	77.66	2223	82
3/10/18	12:56:04	29.79	14	3209.2	14.5	77.97	2229.4	83
3/10/18	12:56:06	29.79	15	3219	14.5	77.93	2230	83
3/10/18	12:56:06	29.79	16	3227.5	14.8	77.96	2231.5	83
3/10/18	12:56:08	29.79	17	3235.3	14.8	78.54	2230	83

3/10/18	12:56:08	29.79	18	3242.7	14.8	79.37	2226.9	84
3/10/18	12:56:10	29.79	19	3250.6	14.8	79.67	2234.5	85
3/10/18	12:56:10	29.79	20	3259.5	14.8	80.34	2241.7	85
3/10/18	12:56:11	29.79	21	3269	15	79.97	2233.4	85
3/10/18	12:56:13	29.79	22	3278.5	15	80.38	2244.5	85
3/10/18	12:56:13	29.79	23	3289.1	15	80.7	2235.2	86
3/10/18	12:56:15	29.79	24	3298.2	15	80.51	2235	86
3/10/18	12:56:15	29.79	25	3308.5	15	80.67	2237.1	86
3/10/18	12:56:17	29.79	26	3319.4	15	81.89	2240.9	87
3/10/18	12:56:17	29.79	27	3331.7	15	82.53	2244	88
3/10/18	12:56:19	29.79	28	3344.9	15	82.58	2245.1	88
3/10/18	12:56:19	29.79	29	3359.3	15	81.83	2247.5	87
3/10/18	12:56:21	29.79	30	3373.7	15	81.33	2248.9	87
3/10/18	12:56:21	29.79	31	3388.1	15	81.04	2235.4	86
3/10/18	12:56:23	29.79	32	3402.9	15.2	80.56	2249.6	86
3/10/18	12:56:23	29.79	33	3417.3	15.2	80.1	2239.7	85
3/10/18	12:56:25	29.79	34	3431.3	15.2	79.48	2232.3	85
3/10/18	12:56:25	29.79	35	3445.1	15.2	79.24	2228.1	85
3/10/18	12:56:27	29.79	36	3456.8	15.2	79.24	2232.2	85
3/10/18	12:56:27	29.79	37	3468.2	15.2	78.7	2236.8	84
3/10/18	12:56:29	29.79	38	3478.9	15.2	79.06	2233.6	84
3/10/18	12:56:29	29.79	39	3489.6	15.2	78.95	2227.7	84
3/10/18	12:56:31	29.79	40	3500.4	15.2	79.26	2243.9	85
3/10/18	12:56:31	29.79	41	3511	15.2	79.36	2230.7	85
3/10/18	12:56:33	29.79	42	3521.3	15.2	79.47	2230.6	85
3/10/18	12:56:33	29.79	43	3531.7	15.2	79.72	2229	85
3/10/18	12:56:34	29.79	44	3542.4	15.2	79.92	2235.5	85
3/10/18	12:56:36	29.79	45	3552.6	15.5	80.12	2238.1	86
3/10/18	12:56:36	29.79	46	3563	15.5	80.41	2229.5	86
3/10/18	12:56:38	29.79	47	3573.2	15.5	80.7	2239.9	86

3/10/18	12:56:38	29.79	48	3583.6	15.5	81.08	2235	87
3/10/18	12:56:40	29.79	49	3594.1	15.5	81.27	2243.6	87
3/10/18	12:56:40	29.79	50	3605.1	15.5	81.64	2235.4	87
3/10/18	12:56:42	29.79	51	3617.3	15.5	81.42	2241.5	87
3/10/18	12:56:42	29.79	52	3629.7	15.2	81.66	2239.3	87
3/10/18	12:56:44	29.79	53	3642.2	15.2	81.64	2232.8	87
3/10/18	12:56:44	29.79	54	3655.8	15.2	81.79	2237.1	88
3/10/18	12:56:46	29.79	55	3669.4	15.5	81.64	2234.8	87
3/10/18	12:56:46	29.79	56	3684.1	15.5	81.65	2235.7	87
3/10/18	12:56:48	29.79	57	3698	15.5	81.45	2245.4	87
3/10/18	12:56:48	29.79	58	3711.2	15.5	81.13	2234.7	87
3/10/18	12:56:50	29.79	59	3725.1	15.5	81.07	2233.7	87
3/10/18	12:56:50	29.79	60	3738.3	15.5	80.79	2232	87
3/10/18	12:56:52	29.79	61	3751.6	15.5	80.57	2232.3	86
3/10/18	12:56:52	29.79	62	3765	15.5	80.37	2228.8	86
3/10/18	12:56:54	29.79	63	3778.8	15.5	80.04	2230.6	86

3/10/18	12:56:54	29.79	64	3791.2	15.5	79.8	2228.5	86
3/10/18	12:56:56	29.79	65	3803.8	15.5	79.72	2239.7	86
3/10/18	12:56:56	29.79	66	3816.6	15.5	79.6	2225	86
3/10/18	12:56:58	29.79	67	3828.2	15.5	79.43	2229.2	85
3/10/18	12:56:58	29.79	68	3840.3	15.5	79.41	2229.3	85
3/10/18	12:57:00	29.79	69	3851.6	15.5	79.34	2230.4	85
3/10/18	12:57:00	29.79	70	3862.1	15.5	79.28	2231.8	85
3/10/18	12:57:02	29.79	71	3872.5	15.5	79.26	2221.6	85
3/10/18	12:57:02	29.79	72	3881.3	15.5	79.37	2222.7	85
3/10/18	12:57:04	29.79	73	3890	15.5	79.66	2226.1	86
3/10/18	12:57:04	29.79	74	3898.5	15.5	79.91	2235.2	86
3/10/18	12:57:06	29.79	75	3907.8	15.2	80.09	2229.1	86
3/10/18	12:57:06	29.79	76	3916.6	15.2	80.37	2232.6	86
3/10/18	12:57:08	29.79	77	3926.4	15.2	80.53	2235.3	87
3/10/18	12:57:08	29.79	78	3937.1	15.2	80.63	2230	87
3/10/18	12:57:10	29.79	79	3947.4	15.2	80.72	2240.7	87
3/10/18	12:57:10	29.79	80	3959.2	15.2	80.86	2231.2	87
3/10/18	12:57:12	29.79	81	3970.4	15.2	80.93	2242	87
3/10/18	12:57:12	29.79	82	3982	15.2	80.77	2230.9	87
3/10/18	12:57:14	29.79	83	3993.7	15.2	80.78	2234.8	87
3/10/18	12:57:14	29.79	84	4005.4	15.2	80.77	2228.6	87

80.316471 2235.3071 85.741176







Team 11 (both)

#yyy-mm-dd	hh:mm:ss	inch		ft msl	deg C	kt	rpm	kt
Lcl Date	Lcl Time	BaroA		AltMSL	OAT	IAS	E1 RPM	TAS
3/10/18	18:58:03	29.77	0	3002.6	14.5	83.03	2456.1	88
3/10/18	18:58:04	29.77	1	3008	14.5	84.42	2455.3	89
3/10/18	18:58:05	29.77	2	3014.6	14.5	86.45	2468	91
3/10/18	18:58:06	29.77	3	3024.2	14.2	87.87	2485.2	93
3/10/18	18:58:07	29.77	4	3037.7	14.2	87.71	2492.7	93
3/10/18	18:58:08	29.77	5	3052.1	14.2	87.23	2494.3	92
3/10/18	18:58:09	29.77	6	3067.4	14.2	86.45	2486.6	91
3/10/18	18:58:10	29.77	7	3081.6	14.2	86.62	2492.7	92
3/10/18	18:58:11	29.77	8	3094.5	14.2	85.84	2492.7	91
3/10/18	18:58:12	29.77	9	3107.6	14.2	86.33	2489.2	91
3/10/18	18:58:13	29.77	10	3119	14.5	86.57	2490.2	92
3/10/18	18:58:14	29.77	11	3130.8	14.5	86.26	2485.4	91
3/10/18	18:58:15	29.77	12	3142.2	14.5	85.65	2479.2	91
3/10/18	18:58:16	29.77	13	3153.5	14.5	84.96	2478.6	90
3/10/18	18:58:17	29.77	14	3163.7	14.5	84.55	2476.2	90
3/10/18	18:58:18	29.77	15	3173.1	14.8	84.41	2481.1	90
3/10/18	18:58:19	29.77	16	3182.5	14.8	84.2	2480.8	89
3/10/18	18:58:20	29.77	17	3190.6	14.8	83.46	2468	89
3/10/18	18:58:21	29.77	18	3198.5	14.8	83.54	2474.3	89
3/10/18	18:58:22	29.77	19	3205.2	14.8	83.89	2476.6	89
3/10/18	18:58:23	29.77	20	3212.1	14.8	84.09	2472.1	89
3/10/18	18:58:24	29.77	21	3219	14.8	83.9	2472.7	89
3/10/18	18:58:25	29.77	22	3225.2	14.8	84.22	2480.2	89
3/10/18	18:58:26	29.77	23	3231.9	14.8	84.36	2471.2	90
3/10/18	18:58:27	29.77	24	3237.6	14.8	84.77	2485	90
3/10/18	18:58:28	29.77	25	3244	14.8	84.62	2477.8	90

3/10/18 18:58:29	29.77	26	3250.9	14.8	84.4	2484.3	90
3/10/18 18:58:30	29.77	27	3257.5	14.8	84.72	2471.7	90
3/10/18 18:58:31	29.77	28	3264.2	14.8	84.73	2475.4	90
3/10/18 18:58:32	29.77	29	3269	14.8	84.46	2472.9	90
3/10/18 18:58:33	29.77	30	3274.1	14.8	84.79	2476.2	90
3/10/18 18:58:34	29.77	31	3278.6	15	84.71	2471.8	90
3/10/18 18:58:35	29.77	32	3283.6	15	84.9	2474.6	90
3/10/18 18:58:36	29.77	33	3289.6	14.8	85.51	2475.3	91
3/10/18 18:58:37	29.77	34	3295.8	14.8	85.26	2473.2	91
3/10/18 18:58:38	29.77	35	3304.4	14.8	85.42	2485.2	91
3/10/18 18:58:39	29.77	36	3314.2	14.8	85.95	2478	91
3/10/18 18:58:40	29.77	37	3324.8	14.8	85.33	2480.6	91
3/10/18 18:58:41	29.77	38	3336.3	14.8	84.56	2475.3	90
3/10/18 18:58:42	29.77	39	3347.7	14.8	84.21	2476.3	90
3/10/18 18:58:43	29.77	40	3358.9	14.8	84.31	2472.7	90
3/10/18 18:58:44	29.77	41	3367.4	14.8	84.32	2479.7	90

3/10/18	18:58:45	29.77	42	3376.9	14.8	84.76	2472.8	90
3/10/18	18:58:46	29.77	43	3387.2	14.8	84.67	2473.7	90
3/10/18	18:58:47	29.77	44	3397.7	14.8	84.92	2481.4	90
3/10/18	18:58:48	29.77	45	3408.2	14.8	85.2	2470.1	91
3/10/18	18:58:49	29.77	46	3417.8	14.8	84.56	2481	90
3/10/18	18:58:50	29.77	47	3429	14.8	84.68	2474.8	90
3/10/18	18:58:51	29.77	48	3439.2	14.8	84.37	2477.5	90
3/10/18	18:58:52	29.77	49	3448.8	14.8	84.74	2480.4	90
3/10/18	18:58:53	29.77	50	3458.2	14.8	85.2	2477.3	91
3/10/18	18:58:54	29.77	51	3467.4	14.8	84.86	2477.2	90
3/10/18	18:58:55	29.77	52	3477	14.8	85.52	2481.9	91
3/10/18	18:58:56	29.77	53	3484.7	14.8	85.89	2485.3	92
3/10/18	18:58:57	29.77	54	3492.3	14.8	85.26	2478.1	91
3/10/18	18:58:58	29.77	55	3500.5	14.8	85.67	2483.5	91
3/10/18	18:58:59	29.77	56	3507.7	14.8	85.08	2481.8	91
3/10/18	18:59:00	29.77	57	3515.1	14.8	85.61	2482	91
3/10/18	18:59:01	29.77	58	3521.3	14.8	85.76	2488.6	92
3/10/18	18:59:02	29.77	59	3528.9	14.8	85.8	2485.8	92
3/10/18	18:59:03	29.77	60	3536.2	14.8	85.16	2482.8	91
3/10/18	18:59:04	29.77	61	3542.8	14.8	84.66	2482.8	90
3/10/18	18:59:05	29.77	62	3548.5	14.8	85.75	2482.1	92
3/10/18	18:59:06	29.77	63	3553.6	14.8	85.21	2479.3	91
3/10/18	18:59:07	29.77	64	3560.1	14.8	85.94	2481.7	92
3/10/18	18:59:08	29.77	65	3566.9	14.8	86.37	2483.4	92
3/10/18	18:59:09	29.77	66	3576.2	14.8	85.3	2481.1	91
3/10/18	18:59:10	29.77	67	3586.2	14.8	85.79	2482.1	92
3/10/18	18:59:11	29.77	68	3595.8	14.8	85.53	2482.8	91
3/10/18	18:59:12	29.77	69	3606.5	14.5	85.45	2490.5	91
3/10/18	18:59:13	29.77	70	3617.5	14.5	84.69	2475.8	91
3/10/18	18:59:14	29.77	71	3629.1	14.5	84.39	2475.3	90

3/10/18	18:59:15	29.77	72	3639.8	14.5	83.63	2470	89
3/10/18	18:59:16	29.77	73	3650.4	14.5	83.87	2469.1	90
3/10/18	18:59:17	29.77	74	3660.3	14.5	83.09	2478.4	89
3/10/18	18:59:18	29.77	75	3670.1	14.5	83	2468.3	89
3/10/18	18:59:19	29.77	76	3678.9	14.5	83.32	2468.6	89
3/10/18	18:59:20	29.77	77	3685.3	14.5	83.69	2474	90
3/10/18	18:59:21	29.77	78	3693.1	14.5	84.11	2473.5	90
3/10/18	18:59:22	29.77	79	3701.2	14.5	84.15	2475.9	90
3/10/18	18:59:23	29.77	80	3708.9	14.5	84.4	2476	90
3/10/18	18:59:24	29.77	81	3716.8	14.5	85.02	2484.1	91
3/10/18	18:59:25	29.77	82	3723.9	14.5	85.21	2478.9	91
3/10/18	18:59:26	29.77	83	3732.6	14.5	86.08	2490.6	92
3/10/18	18:59:27	29.77	84	3740.6	14.5	86.37	2490	92
3/10/18	18:59:28	29.77	85	3748.4	14.5	86.28	2496.5	92
3/10/18	18:59:29	29.77	86	3756.5	14.5	85.72	2493.4	92

3/10/18	18:59:30	29.77	87	3764.9	14.5	85.67	2486.4	92
3/10/18	18:59:31	29.77	88	3772.8	14.5	85.77	2486.8	92
3/10/18	18:59:32	29.77	89	3779.4	14.5	85.86	2482.6	92
3/10/18	18:59:33	29.77	90	3786	14.8	86.16	2487.8	92
3/10/18	18:59:34	29.77	91	3792.2	14.8	85.7	2484.1	92
3/10/18	18:59:35	29.77	92	3798.8	14.8	85.14	2483.1	91
3/10/18	18:59:36	29.77	93	3805	14.8	85.19	2482.6	91
3/10/18	18:59:37	29.77	94	3810.6	14.8	85.52	2476.9	92
3/10/18	18:59:38	29.77	95	3817.4	14.8	85.11	2479.7	91
3/10/18	18:59:39	29.77	96	3825.3	14.8	84.68	2478.4	91
3/10/18	18:59:40	29.77	97	3832.5	14.8	84.65	2478.9	91
3/10/18	18:59:41	29.77	98	3839.7	14.8	84.77	2483.2	91
3/10/18	18:59:42	29.77	99	3847.2	14.8	85.01	2483.9	91
3/10/18	18:59:43	29.77	100	3856	14.8	85.34	2482	92
3/10/18	18:59:44	29.77	101	3862.9	14.8	85.58	2491	92
3/10/18	18:59:45	29.77	102	3871.3	14.8	85.84	2492.5	92
3/10/18	18:59:46	29.77	103	3880.2	14.8	85.69	2493.3	92
3/10/18	18:59:47	29.77	104	3889.2	14.8	85.76	2488.1	92
3/10/18	18:59:48	29.77	105	3898.8	14.8	85.18	2481	92
3/10/18	18:59:49	29.77	106	3908.7	14.5	84.77	2478.1	91
3/10/18	18:59:50	29.77	107	3917.4	14.5	84.5	2478.4	91
3/10/18	18:59:51	29.77	108	3927.2	14.5	84.37	2475.9	91
3/10/18	18:59:52	29.77	109	3935.6	14.5	83.84	2467.8	90
3/10/18	18:59:53	29.77	110	3943.8	14.5	83.75	2473.4	90
3/10/18	18:59:54	29.77	111	3951.3	14.5	83.94	2470.4	90
3/10/18	18:59:55	29.77	112	3959.3	14.5	84.05	2480.7	90
3/10/18	18:59:56	29.77	113	3966.3	14.5	84.39	2477.4	91
3/10/18	18:59:57	29.77	114	3974.1	14.5	84.28	2477.2	91
3/10/18	18:59:58	29.77	115	3982	14.5	84.47	2475	91
3/10/18	18:59:59	29.77	116	3989.6	14.5	84.46	2480.9	91

3/10/18	19:00:00	29.77	117	3997.2	14.2	84.65	2482.8	91	
3/10/18	19:00:01	29.77	118	4004.8	14.2	84.83	2483.8	91	
							85.013697	2479.7454	90.722689
3/10/18	19:03:39	29.77	0	2999.2	15	83.61	2481.2	88	
3/10/18	19:03:40	29.77	1	3011.4	15.2	83.04	2478.7	88	
3/10/18	19:03:41	29.77	2	3020.7	15.2	82.92	2471.6	88	
3/10/18	19:03:42	29.77	3	3026.3	15.2	83.65	2474	89	
3/10/18	19:03:43	29.77	4	3031.3	15.2	84.86	2478.1	90	
3/10/18	19:03:44	29.77	5	3041.2	15	85.15	2481.8	90	
3/10/18	19:03:45	29.77	6	3050.1	15	85.35	2488.4	90	
3/10/18	19:03:46	29.77	7	3059.1	15	85.17	2478.2	90	
3/10/18	19:03:47	29.77	8	3067.3	15	84.88	2481.7	90	
3/10/18	19:03:48	29.77	9	3075.2	15	85.26	2483.3	90	
3/10/18	19:03:49	29.77	10	3083	15	85.16	2485.2	90	
3/10/18	19:03:50	29.77	11	3088.7	15	85.38	2481.4	90	



3/10/18	19:03:51	29.77	12	3095	15	85.27	2485.2	90
3/10/18	19:03:52	29.77	13	3102.3	15	85.5	2488.5	91
3/10/18	19:03:53	29.77	14	3110.2	15	85.96	2484.6	91
3/10/18	19:03:54	29.77	15	3118.7	15	86.08	2484.7	91
3/10/18	19:03:55	29.77	16	3128.2	15	85.8	2487.2	91
3/10/18	19:03:56	29.77	17	3140	15	86.11	2495.4	91
3/10/18	19:03:57	29.77	18	3151.2	15	85.82	2487.9	91
3/10/18	19:03:58	29.77	19	3161.6	15	85.12	2482.3	90
3/10/18	19:03:59	29.77	20	3172.5	15	85.04	2482.4	90
3/10/18	19:04:00	29.77	21	3182.5	15	84.75	2477.4	90
3/10/18	19:04:01	29.77	22	3191	15	84.49	2476.5	90
3/10/18	19:04:02	29.77	23	3196.4	15	84.55	2479.6	90
3/10/18	19:04:03	29.77	24	3203.4	15	85.18	2478.3	90
3/10/18	19:04:04	29.77	25	3209.8	15	85.53	2483.8	91
3/10/18	19:04:05	29.77	26	3217.9	15	85.67	2482.9	91
3/10/18	19:04:06	29.77	27	3226.9	15	86.15	2482.3	92
3/10/18	19:04:07	29.77	28	3237	15	85.67	2482.7	91
3/10/18	19:04:08	29.77	29	3248.6	15	85.36	2490.3	91
3/10/18	19:04:09	29.77	30	3260	15	84.98	2474.5	90
3/10/18	19:04:10	29.77	31	3270.5	15	84.82	2483.8	90
3/10/18	19:04:11	29.77	32	3282.1	15	84.8	2484.2	90
3/10/18	19:04:12	29.77	33	3293.2	15	84.92	2481.4	90
3/10/18	19:04:13	29.77	34	3304.3	15	84.79	2475.9	90
3/10/18	19:04:14	29.77	35	3313.3	15	84.68	2481.1	90
3/10/18	19:04:15	29.77	36	3324.1	15	84.22	2475	90
3/10/18	19:04:16	29.77	37	3332.9	15	83.99	2473.7	89
3/10/18	19:04:17	29.77	38	3341.6	15	83.79	2472.1	89
3/10/18	19:04:18	29.77	39	3349.1	15	83.98	2478.7	89
3/10/18	19:04:19	29.77	40	3356.1	15	84.07	2477.8	90
3/10/18	19:04:20	29.77	41	3364.3	15	84.49	2474.1	90

3/10/18	19:04:21	29.77	42	3370.6	15	85.05	2477.1	91
3/10/18	19:04:22	29.77	43	3376.7	15	85.2	2480.5	91
3/10/18	19:04:23	29.77	44	3382	15	85.57	2487	91
3/10/18	19:04:24	29.77	45	3388.4	14.8	86.26	2490.9	92
3/10/18	19:04:25	29.77	46	3395.7	14.8	86.18	2484.8	92
3/10/18	19:04:26	29.77	47	3402	14.8	85.76	2485.2	91
3/10/18	19:04:27	29.77	48	3410.3	14.8	86.59	2485.8	92
3/10/18	19:04:28	29.77	49	3418.9	14.8	85.88	2482.6	91
3/10/18	19:04:29	29.77	50	3427.8	14.8	86.06	2480.1	92
3/10/18	19:04:30	29.77	51	3438.1	14.8	86.43	2489.2	92
3/10/18	19:04:31	29.77	52	3448.5	14.8	85.93	2487.2	92
3/10/18	19:04:32	29.77	53	3460.9	14.8	85.78	2483.1	91
3/10/18	19:04:33	29.77	54	3472.3	14.8	85.34	2490.5	91
3/10/18	19:04:34	29.77	55	3483.1	14.8	85.57	2486.5	91
3/10/18	19:04:35	29.77	56	3492.6	14.8	85.01	2479.6	91
3/10/18	19:04:36	29.77	57	3503.4	14.8	84.52	2474.6	90

3/10/18	19:04:37	29.77	58	3513.4	14.8	84.45	2468.6	90
3/10/18	19:04:38	29.77	59	3521	14.8	84.47	2475.9	90
3/10/18	19:04:39	29.77	60	3530.1	14.8	84.32	2475.9	90
3/10/18	19:04:40	29.77	61	3539.6	14.8	84.2	2473.6	90
3/10/18	19:04:41	29.77	62	3547.9	14.8	83.43	2469.9	89
3/10/18	19:04:42	29.77	63	3556.3	14.8	83.49	2476.4	89
3/10/18	19:04:43	29.77	64	3563.7	14.8	83.12	2468	89
3/10/18	19:04:44	29.77	65	3571.7	14.8	83.03	2472.6	89
3/10/18	19:04:45	29.77	66	3578.2	14.8	83.15	2463.6	89
3/10/18	19:04:46	29.77	67	3584	14.8	83.5	2473.6	89
3/10/18	19:04:47	29.77	68	3589.8	14.8	83.37	2470.7	89
3/10/18	19:04:48	29.77	69	3594.8	14.8	84.17	2472.6	90
3/10/18	19:04:49	29.77	70	3600	14.8	84.42	2477.6	90
3/10/18	19:04:50	29.77	71	3603.5	14.8	84.82	2480.1	91
3/10/18	19:04:51	29.77	72	3608.9	14.8	85.43	2481.8	91
3/10/18	19:04:52	29.77	73	3614.6	14.5	86.05	2484.1	92
3/10/18	19:04:53	29.77	74	3620.5	14.5	86.38	2483.8	92
3/10/18	19:04:54	29.77	75	3626.6	14.5	86.66	2487.5	93
3/10/18	19:04:55	29.77	76	3634.7	14.5	86.45	2485.7	92
3/10/18	19:04:56	29.77	77	3644.7	14.5	87.3	2488.9	93
3/10/18	19:04:57	29.77	78	3654.4	14.5	87.18	2490.3	93
3/10/18	19:04:58	29.77	79	3665.1	14.5	87.13	2497.9	93
3/10/18	19:04:59	29.77	80	3676.9	14.5	87	2491.3	93
3/10/18	19:05:00	29.77	81	3687.8	14.5	86.94	2493	93
3/10/18	19:05:01	29.77	82	3699.3	14.5	86.38	2492.6	92
3/10/18	19:05:02	29.77	83	3708.9	14.5	85.78	2487.2	92
3/10/18	19:05:03	29.77	84	3719.7	14.5	85.3	2486	91
3/10/18	19:05:04	29.77	85	3729.5	14.5	84.91	2478.6	91
3/10/18	19:05:05	29.77	86	3738.7	14.5	84.45	2478.8	90
3/10/18	19:05:06	29.77	87	3745.8	14.5	83.58	2473.4	90
3/10/18	19:05:07	29.77	88	3752.8	14.5	83.08	2471.8	89

3/10/18	19:05:08	29.77	89	3760	14.5	82.93	2479.6	89
3/10/18	19:05:09	29.77	90	3765.6	14.8	83.04	2471.5	89
3/10/18	19:05:10	29.77	91	3770.9	14.8	83.46	2470.2	89
3/10/18	19:05:11	29.77	92	3776.4	14.8	83.68	2477.8	90
3/10/18	19:05:12	29.77	93	3782.7	14.8	84.12	2475.3	90
3/10/18	19:05:13	29.77	94	3789.6	14.8	84.52	2480.3	91
3/10/18	19:05:14	29.77	95	3795.2	14.8	84.78	2488.5	91
3/10/18	19:05:15	29.77	96	3803.4	14.8	85.05	2485.9	91
3/10/18	19:05:16	29.77	97	3812.9	14.8	85.39	2480.7	92
3/10/18	19:05:17	29.77	98	3823.7	14.8	85.74	2488.7	92
3/10/18	19:05:18	29.77	99	3835.8	14.8	86.09	2487.6	92
3/10/18	19:05:19	29.77	100	3845.9	14.8	86.23	2483.7	93
3/10/18	19:05:20	29.77	101	3858.8	15	86.05	2483.1	92
3/10/18	19:05:21	29.77	102	3870.8	15	86.02	2486	92
3/10/18	19:05:22	29.77	103	3882.7	15	86.18	2491.5	93
3/10/18	19:05:23	29.77	104	3893.9	15	85.8	2483.4	92

3/10/18	19:05:24	29.77	105	3905.4	15	85.32	2477.7	92
3/10/18	19:05:25	29.77	106	3916	15	85	2482.3	91
3/10/18	19:05:26	29.77	107	3924.5	14.8	85.15	2482.5	92
3/10/18	19:05:27	29.77	108	3933.4	14.8	84.78	2481.8	91
3/10/18	19:05:28	29.77	109	3941.1	14.8	84.24	2477.5	91
3/10/18	19:05:29	29.77	110	3947.7	14.8	83.87	2471.6	90
3/10/18	19:05:30	29.77	111	3953.4	14.8	83.5	2471.5	90
3/10/18	19:05:31	29.77	112	3957.7	14.8	83.65	2472.1	90
3/10/18	19:05:32	29.77	113	3963.8	14.8	84.15	2472.4	91
3/10/18	19:05:33	29.77	114	3969.6	14.8	84.37	2479.6	91
3/10/18	19:05:34	29.77	115	3975.8	14.8	84.52	2477.1	91
3/10/18	19:05:35	29.77	116	3982.5	14.8	84.62	2475.9	91
3/10/18	19:05:36	29.77	117	3989.6	14.8	84.46	2481.3	91
3/10/18	19:05:37	29.77	118	3997.9	14.8	84.38	2473.7	91
3/10/18	19:05:38	29.77	119	4003.7	14.8	84.39	2475.2	91
			120			84.971333	2480.7533	90.658333
			121					
			122					
			123					
			124					
			125					
			126					
			127					
			128					
			129					
			130					

131

132

133

## Team 13 (both)

## Team 14 (1)

			#yyy-mm-dd	hh:mm:ss	inch		ft msl
Normalized Tim	ft Baro	kt IAS	Lcl Date	Lcl Time	BaroA		AltMSL
0	3002.4	68.67	3/10/18	12:46:42	29.77	0	3001.4
1	3009.4	69.61	3/10/18	12:46:43	29.77	1	3010.7
2	3016.4	69.89	3/10/18	12:46:44	29.77	2	3019.4
3	3026.4	70.1	3/10/18	12:46:45	29.77	3	3029.7
4	3036.4	69.91	3/10/18	12:46:46	29.77	4	3038
5	3049.4	69.16	3/10/18	12:46:47	29.77	5	3045.3
6	3065.4	67.5	3/10/18	12:46:48	29.77	6	3052.8
7	3080.4	66.6	3/10/18	12:46:49	29.77	7	3060.3
8	3094.4	65.25	3/10/18	12:46:50	29.77	8	3067.2
9	3106.4	63.67	3/10/18	12:46:51	29.77	9	3072
10	3117.4	62.71	3/10/18	12:46:52	29.77	10	3077.1
12	3136.4	62.45	3/10/18	12:46:53	29.77	11	3084.1
13	3145.4	62.96	3/10/18	12:46:54	29.77	12	3091.6
14	3153.4	63.11	3/10/18	12:46:55	29.77	13	3099.1
15	3159.4	62.84	3/10/18	12:46:56	29.77	14	3106.6
16	3166.4	63.34	3/10/18	12:46:57	29.77	15	3116
17	3174.4	64.57	3/10/18	12:46:58	29.77	16	3125.5
18	3181.4	65.43	3/10/18	12:46:59	29.77	17	3135
20	3193.4	65.52	3/10/18	12:47:00	29.77	18	3145.2
21	3199.4	66.67	3/10/18	12:47:01	29.77	19	3155.9
22	3206.4	68.27	3/10/18	12:47:02	29.77	20	3165.7
23	3213.4	67.9	3/10/18	12:47:03	29.77	21	3173.6
24	3220.4	67.89	3/10/18	12:47:04	29.77	22	3181.7
26	3237.4	66.81	3/10/18	12:47:05	29.77	23	3188.8
27	3246.4	66.37	3/10/18	12:47:06	29.77	24	3196
28	3255.4	65.75	3/10/18	12:47:07	29.77	25	3202.6
29	3264.4	65.14	3/10/18	12:47:08	29.77	26	3210.1
30	3274.4	65.29	3/10/18	12:47:09	29.77	27	3218.9

31	3283.4	64.87	3/10/18 12:47:10	29.77	28	3226.8
32	3293.4	64.37	3/10/18 12:47:11	29.77	29	3235.7
33	3301.4	64.52	3/10/18 12:47:12	29.77	30	3244.9
34	3308.4	63.91	3/10/18 12:47:13	29.77	31	3255.4
35	3315.4	63.44	3/10/18 12:47:14	29.77	32	3265.7
36	3324.4	63.73	3/10/18 12:47:15	29.77	33	3276
37	3331.4	63.1	3/10/18 12:47:16	29.77	34	3288.3
38	3339.4	63.08	3/10/18 12:47:17	29.77	35	3299.3
39	3347.4	63.29	3/10/18 12:47:18	29.77	36	3309.7
40	3354.4	63.6	3/10/18 12:47:19	29.77	37	3319.8
41	3360.4	63.55	3/10/18 12:47:20	29.77	38	3329.9
42	3367.4	63.67	3/10/18 12:47:21	29.77	39	3340.3
43	3376.4	63.95	3/10/18 12:47:22	29.77	40	3348.5
44	3384.4	64.2	3/10/18 12:47:23	29.77	41	3356.8



45	3393.4	64.09	3/10/18	12:47:24	29.77	42	3364.9
46	3400.4	64.03	3/10/18	12:47:25	29.77	43	3373.2
47	3409.4	63.73	3/10/18	12:47:26	29.77	44	3380.2
48	3419.4	63.57	3/10/18	12:47:27	29.77	45	3386.9
49	3429.4	63.49	3/10/18	12:47:28	29.77	46	3395.3
50	3437.4	63.09	3/10/18	12:47:29	29.77	47	3404.3
51	3446.4	63.81	3/10/18	12:47:30	29.77	48	3413.1
52	3452.4	63.74	3/10/18	12:47:31	29.77	49	3422.8
53	3460.4	64.03	3/10/18	12:47:32	29.77	50	3434.6
54	3467.4	63.96	3/10/18	12:47:33	29.77	51	3446.6
55	3476.4	64.3	3/10/18	12:47:34	29.77	52	3458.2
56	3485.4	64.82	3/10/18	12:47:35	29.77	53	3470.3
57	3492.4	64	3/10/18	12:47:36	29.77	54	3481.9
58	3501.4	64.09	3/10/18	12:47:37	29.77	55	3492.9
59	3511.4	64.37	3/10/18	12:47:38	29.77	56	3501.6
60	3519.4	65.38	3/10/18	12:47:39	29.77	57	3507.1
61	3527.4	65.23	3/10/18	12:47:40	29.77	58	3512.7
62	3535.4	64.95	3/10/18	12:47:41	29.77	59	3517.8
63	3544.4	64.3	3/10/18	12:47:42	29.77	60	3523
64	3554.4	64.3	3/10/18	12:47:43	29.77	61	3528.9
65	3564.4	64.32	3/10/18	12:47:44	29.77	62	3536.8
66	3574.4	64.2	3/10/18	12:47:45	29.77	63	3546.9
67	3583.4	64.07	3/10/18	12:47:46	29.77	64	3555.9
68	3592.4	64.12	3/10/18	12:47:47	29.77	65	3566.6
69	3601.4	64.19	3/10/18	12:47:48	29.77	66	3577.8
70	3610.4	64.35	3/10/18	12:47:49	29.77	67	3589.4
71	3619.4	64.74	3/10/18	12:47:50	29.77	68	3600.5
72	3628.4	65.01	3/10/18	12:47:51	29.77	69	3610.4
73	3637.4	64.87	3/10/18	12:47:52	29.77	70	3621.1
74	3646.4	64.96	3/10/18	12:47:53	29.77	71	3631.6

75	3654.4	64.96	3/10/18	12:47:54	29.77	72	3641.5
76	3663.4	65.09	3/10/18	12:47:55	29.77	73	3650.3
77	3672.4	65.1	3/10/18	12:47:56	29.77	74	3660.2
78	3682.4	65.15	3/10/18	12:47:57	29.77	75	3670.8
79	3691.4	65.04	3/10/18	12:47:58	29.77	76	3679.5
80	3701.4	64.77	3/10/18	12:47:59	29.77	77	3687.2
81	3710.4	64.7	3/10/18	12:48:00	29.77	78	3694
82	3720.4	64.67	3/10/18	12:48:01	29.77	79	3699.1
83	3729.4	64.52	3/10/18	12:48:02	29.77	80	3702.7
84	3738.4	64.38	3/10/18	12:48:03	29.77	81	3707.1
85	3747.4	64.59	3/10/18	12:48:04	29.77	82	3714.6
86	3755.4	64.6	3/10/18	12:48:05	29.77	83	3721.9
87	3762.4	64.56	3/10/18	12:48:06	29.77	84	3729.2
88	3770.4	64.84	3/10/18	12:48:07	29.77	85	3737.1
89	3779.4	65.1	3/10/18	12:48:08	29.77	86	3745.8

90	3787.4	64.76	3/10/18	12:48:09	29.77	87	3755
91	3796.4	65.26	3/10/18	12:48:10	29.77	88	3762.7
92	3805.4	64.9	3/10/18	12:48:11	29.77	89	3772.2
93	3813.4	64.58	3/10/18	12:48:12	29.77	90	3782.9
94	3822.4	64.7	3/10/18	12:48:13	29.77	91	3793.8
95	3831.4	64.82	3/10/18	12:48:14	29.77	92	3803.1
96	3840.4	65.04	3/10/18	12:48:15	29.77	93	3812.1
97	3848.4	65.02	3/10/18	12:48:16	29.77	94	3822.8
98	3857.4	64.96	3/10/18	12:48:17	29.77	95	3832.6
99	3867.4	64.87	3/10/18	12:48:18	29.77	96	3842
100	3877.4	64.64	3/10/18	12:48:19	29.77	97	3851
101	3887.4	64.5	3/10/18	12:48:20	29.77	98	3861.7
102	3896.4	64.27	3/10/18	12:48:21	29.77	99	3872.6
103	3906.4	64.31	3/10/18	12:48:22	29.77	100	3881.8
104	3916.4	64.08	3/10/18	12:48:24	29.77	101	3900.2
105	3926.4	63.95	3/10/18	12:48:26	29.77	102	3919.1
106	3935.4	63.88	3/10/18	12:48:27	29.77	103	3927.8
107	3944.4	63.97	3/10/18	12:48:28	29.77	104	3938.6
108	3953.4	63.96	3/10/18	12:48:29	29.77	105	3947.6
109	3962.4	64.19	3/10/18	12:48:30	29.77	106	3956.1
110	3971.4	64.24	3/10/18	12:48:31	29.77	107	3963.4
111	3982.4	64.48	3/10/18	12:48:32	29.77	108	3971
112	3992.4	64.79	3/10/18	12:48:33	29.77	109	3979.5
113	4002.4	64.99	3/10/18	12:48:34	29.77	110	3985.8
114	4011.4	65.12	3/10/18	12:48:35	29.77	111	3992.1
115	4021.4	65.2	3/10/18	12:48:36	29.77	112	3997.9
116	4030.4	65.19	3/10/18	12:48:37	29.77	113	4004.9
117	4039.4	65.18				119	
118	4049.4	65.22				120	
119	4058.4	65.25				121	

	120	4068.4	65.29	122
				123
				124
Normalized Tim	ft Baro	kt IAS		125
	0	2977.4	61.45	126
	2	2997.4	61.98	127
	3	3004.4	61.62	128
	4	3012.4	62.32	129
	5	3017.4	63.55	130
	6	3019.4	63.9	131
	7	3021.4	64.08	132
	8	3025.4	63.91	133
	9	3030.4	63.14	134
	10	3037.4	64.7	135
	11	3044.4	66.5	136

12	3051.4	68.2	137
13	3059.4	67.61	138
14	3065.4	66.19	139
15	3080.4	65.84	140
16	3093.4	65.98	141
17	3104.4	65.72	142
18	3115.4	65.33	143
19	3126.4	64.64	144
20	3138.4	64.58	145
21	3150.4	64.82	146
22	3158.4	63.63	147
23	3168.4	62.43	148
24	3177.4	62.43	149
25	3186.4	63.15	150
26	3193.4	63.98	151
27	3197.4	64.23	152
28	3200.4	64.06	153
29	3206.4	65.6	154
30	3213.4	66.07	155
31	3219.4	64.44	156
32	3229.4	65.03	157
33	3242.4	66.07	158
34	3252.4	65.78	159
35	3260.4	65.25	160
36	3269.4	66.09	161
37	3280.4	65.84	162
38	3290.4	65.74	163
39	3301.4	65.06	164
40	3312.4	64.93	165
41	3324.4	64.6	166

42	3335.4	64.48	167
43	3346.4	64.49	168
44	3356.4	64.88	169
46	3373.4	64.63	170
47	3383.4	64.01	171
48	3394.4	64.73	172
49	3401.4	64.11	173
50	3409.4	63.88	174
51	3418.4	63.92	175
52	3428.4	63.97	176
53	3437.4	63.38	177
54	3447.4	63.34	178
55	3458.4	64.02	179
56	3467.4	64.66	180
57	3475.4	64.42	181
58	3483.4	64.25	182

59	3492.4	64.23	183
60	3503.4	63.98	184
61	3514.4	63.9	185
62	3524.4	63.86	186
63	3533.4	63.51	187
64	3542.4	63.95	188
65	3550.4	64.18	189
66	3557.4	64.37	190
67	3564.4	64.1	191
68	3572.4	64.69	192
69	3582.4	64.87	193
70	3589.4	64.88	194
71	3597.4	65.52	195
72	3606.4	64.89	196
73	3616.4	65.1	197
74	3626.4	65	198
75	3635.4	64.88	199
76	3644.4	64.5	200
77	3654.4	64.37	201
78	3664.4	64.08	202
79	3674.4	63.95	203
80	3683.4	63.74	204
81	3692.4	63.98	205
82	3700.4	64.19	206
83	3708.4	64.5	207
84	3715.4	64.96	208
85	3724.4	65.67	209
86	3734.4	65.97	210
87	3744.4	65.72	211
88	3752.4	65.68	212
89	3763.4	65.38	213

90	3775.4	65.12	214
91	3785.4	64.43	215
92	3796.4	64.35	216
93	3807.4	63.97	217
94	3820.4	63.98	218
95	3832.4	63.81	219
96	3843.4	63.53	220
97	3852.4	63.63	221
98	3860.4	63.72	222
99	3867.4	64.07	223
100	3875.4	64.11	224
101	3882.4	64.04	225
102	3890.4	64.14	226
103	3897.4	64.69	227
104	3903.4	64.85	228
105	3910.4	64.95	229



106	3916.4	64.96	230
107	3922.4	65.2	231
108	3929.4	65.61	232
109	3934.4	65.59	233
110	3941.4	65.77	234
111	3950.4	65.58	235
112	3959.4	65.97	236
113	3968.4	66.01	237
114	3977.4	65.91	238
115	3987.4	65.8	239
116	3997.4	65.55	240
117	4006.4	65.3	241
118	4016.4	64.91	242
119	4026.4	64.63	243
120	4036.4	64.56	244
121	4047.4	64.46	245
			246
			247
			248
			249
			250
			251
			252
			253
			254
			255

256

257

258

				Team 15 (both)					
deg C	kt	rpm	kt						
OAT	IAS	E1 RPM	TAS	Lcl Time	BaroA	AltMSL	OAT		
15.2	69.13	2193.3	73	10:33:31	30.2	0	3015.2	12.2	
15.2	69.03	2187.8	73	10:33:32	30.2	1	3024.4	12.2	
15.2	68.96	2190.3	73	10:33:33	30.2	2	3033.1	12.2	
15.2	68.89	2196	73	10:33:34	30.2	3	3041.6	12.5	
15.5	68.96	2198.7	73	10:33:35	30.2	4	3049.8	12.5	
15.5	69.21	2200.1	73	10:33:36	30.2	5	3057	12.5	
15.5	69.49	2197.9	74	10:33:37	30.2	6	3063.6	12.5	
15.5	69.46	2191.6	74	10:33:38	30.2	7	3069.1	12.5	
15.8	69.41	2186.6	74	10:33:39	30.2	8	3073.5	12.5	
15.8	69.47	2194.3	74	10:33:40	30.2	9	3079.2	12.5	
15.8	69.63	2195.8	74	10:33:41	30.2	10	3088.1	12.5	
15.8	70.5	2199.8	75	10:33:42	30.2	11	3100.2	12.5	
15.8	70.98	2192.3	75	10:33:43	30.2	12	3114.4	12.8	
15.8	70.85	2210.5	75	10:33:44	30.2	13	3127.9	12.8	
16	70.63	2196.4	75	10:33:45	30.2	14	3139.7	12.8	
16	70.89	2195.3	75	10:33:46	30.2	15	3150.4	12.8	
16	71.19	2198.3	76	10:33:47	30.2	16	3161.8	12.8	
16	72.66	2210.9	77	10:33:48	30.2	17	3172.1	12.8	
16	71.47	2200.3	76	10:33:49	30.2	18	3181.2	12.8	
16	71.64	2206.1	76	10:33:50	30.2	19	3190.1	12.8	
16	70.94	2195.9	75	10:33:51	30.2	20	3198.2	12.8	
16	71.91	2196.8	76	10:33:52	30.2	21	3205.2	12.8	
16	71.62	2197.5	76	10:33:53	30.2	22	3212.6	12.8	
16	72.05	2198.1	77	10:33:54	30.2	23	3220.2	12.8	
16	71.43	2199.7	76	10:33:55	30.2	24	3227.7	12.8	
16	71.61	2200.4	76	10:33:56	30.2	25	3236.3	12.8	
16	71.85	2197.8	76	10:33:57	30.2	26	3244.5	12.8	
16	72.12	2202.9	77	10:33:58	30.2	27	3254.5	12.8	

16	72.71	2205	77	10:33:59	30.2	28	3265.2	12.8
16	73.24	2199.9	78	10:34:00	30.2	29	3277.1	12.8
16	73.28	2200.6	78	10:34:01	30.2	30	3290.1	12.8
16	72.65	2200.6	77	10:34:02	30.2	31	3302.9	12.8
16	71.76	2202	76	10:34:03	30.2	32	3315	12.8
16	71.54	2199.8	76	10:34:04	30.2	33	3325.3	12.8
16	71.38	2199.6	76	10:34:05	30.2	34	3335.2	12.8
16	70.93	2201.3	76	10:34:06	30.2	35	3344.3	12.8
16	70.47	2198.6	75	10:34:07	30.2	36	3352.5	12.8
16	70.36	2198	75	10:34:08	30.2	37	3361.3	12.8
16	69.38	2195.5	74	10:34:09	30.2	38	3370.7	12.8
16	69.09	2195.4	74	10:34:10	30.2	39	3380.9	12.8
16	69.12	2191	74	10:34:11	30.2	40	3391.7	12.5
16	69.32	2194.3	74	10:34:12	30.2	41	3401.4	12.5

16	69.56	2192.1	74	10:34:13	30.2	42	3411.2	12.5
16	70.26	2193.7	75	10:34:14	30.2	43	3420.6	12.5
16	70.07	2193.5	75	10:34:15	30.2	44	3430.7	12.5
16	70.12	2199	75	10:34:16	30.2	45	3440.8	12.5
16	69.86	2190	75	10:34:17	30.2	46	3450.8	12.5
16	69.19	2181.2	74	10:34:18	30.2	47	3462	12.5
16	70.59	2186.2	75	10:34:19	30.2	48	3473.6	12.5
16	70.52	2190.7	75	10:34:20	30.2	49	3485.2	12.5
16	71.25	2198.7	76	10:34:21	30.2	50	3496.1	12.5
16	70.77	2199.1	76	10:34:22	30.2	51	3507.6	12.5
16	70.3	2200	75	10:34:23	30.2	52	3518.4	12.5
16	69.21	2195.6	74	10:34:24	30.2	53	3529.2	12.5
16	68.93	2186.7	74	10:34:25	30.2	54	3539.8	12.5
16	68.67	2186.3	73	10:34:26	30.2	55	3550.6	12.2
16	68.58	2186.9	73	10:34:27	30.2	56	3561.5	12.2
16	68.65	2186	73	10:34:28	30.2	57	3571.5	12.2
15.8	68.72	2189.9	74	10:34:29	30.2	58	3581.3	12.2
15.8	69.98	2190.6	75	10:34:30	30.2	59	3592	12.2
15.8	70.47	2193.4	75	10:34:31	30.2	60	3602.9	12.2
15.8	70.41	2199.4	75	10:34:32	30.2	61	3613.3	12.2
15.8	71.17	2193.3	76	10:34:33	30.2	62	3624.5	12.2
15.8	71.46	2192.3	76	10:34:34	30.2	63	3636.9	12.2
15.8	71.23	2199.7	76	10:34:35	30.2	64	3650.3	12.2
15.8	71.67	2197.1	77	10:34:36	30.2	65	3662.4	12.2
15.8	71.23	2201.9	76	10:34:37	30.2	66	3674.1	12.2
15.8	70.24	2194.7	75	10:34:38	30.2	67	3685.7	12.2
15.8	69.67	2190.6	75	10:34:39	30.2	68	3697.2	12.2
15.8	69.58	2189.7	75	10:34:40	30.2	69	3708	12.2
15.8	68.9	2183.2	74	10:34:41	30.2	70	3718.5	12.2
15.8	68.52	2195.1	73	10:34:42	30.2	71	3729.3	12.2

15.8	68.9	2186.3	74	10:34:43	30.2	72	3739.9	12
15.8	69.05	2182.9	74	10:34:44	30.2	73	3750.4	12
15.5	68.88	2187.7	74	10:34:45	30.2	74	3760.6	12
15.5	68.59	2187.7	74	10:34:46	30.2	75	3770.5	12
15.5	68.56	2188.3	74	10:34:47	30.2	76	3782	12
15.5	68.6	2181.2	74	10:34:48	30.2	77	3793.8	12
15.5	68.68	2182.6	74	10:34:49	30.2	78	3804.7	12
15.5	68.81	2184.4	74	10:34:50	30.2	79	3815.9	12
15.5	69.32	2185.8	74	10:34:51	30.2	80	3827.2	12
15.5	69.61	2185.1	75	10:34:52	30.2	81	3838.5	12
15.5	70.27	2188.7	75	10:34:53	30.2	82	3849	12
15.5	70.61	2192	76	10:34:54	30.2	83	3860.4	12
15.5	70.14	2190.7	75	10:34:55	30.2	84	3872.5	11.8
15.5	69.39	2191.9	74	10:34:56	30.2	85	3884.7	11.8
15.5	69.18	2185.2	74	10:34:57	30.2	86	3897	11.8

15.5	70.15	2180.6	75	10:34:58	30.2	87	3909	11.8
15.5	70.35	2190.5	76	10:34:59	30.2	88	3921.9	11.8
15.2	69.82	2192.7	75	10:35:00	30.2	89	3933.8	11.8
15.2	70.27	2195	75	10:35:01	30.2	90	3945.5	11.8
15.2	70.86	2201.5	76	10:35:02	30.2	91	3956.8	11.8
15.2	69.8	2194.3	75	10:35:03	30.2	92	3968.2	11.8
15.2	69.5	2186.9	75	10:35:04	30.2	93	3979.1	11.8
15.2	68.13	2186.9	73	10:35:05	30.2	94	3989.2	11.8
15.2	69.07	2191.8	74	10:35:06	30.2	95	3999.8	11.8
15.2	69.37	2186.2	75	climb 2				
15.2	69.71	2187.1	75	10:40:27	30.2	0	3014.6	11.2
15.2	67.76	2181.7	73	10:40:28	30.2	1	3033	11.2
15.2	68.03	2185.1	73	10:40:29	30.2	2	3050.6	11.2
15.2	69.62	2192.9	75	10:40:30	30.2	3	3064.1	11
15.2	69.92	2190.3	75	10:40:31	30.2	4	3074.7	11
15.2	69.01	2187.1	74	10:40:32	30.2	5	3082.6	11
15	68.01	2184.7	73	10:40:33	30.2	6	3089.4	11
15	68.25	2186.2	73	10:40:34	30.2	7	3097.7	11
15	68.87	2184.3	74	10:40:35	30.2	8	3106.4	10.8
15	66.66	2181.5	72	10:40:36	30.2	9	3113.8	10.8
15	69.06	2185.2	74	10:40:37	30.2	10	3120.8	10.8
15	68.79	2187.7	74	10:40:38	30.2	11	3128.4	10.8
15	67.92	2183.1	73	10:40:39	30.2	12	3139.1	10.5
15	68.06	2181.4	73	10:40:40	30.2	13	3150.6	10.5
15	67.88	2184.2	73	10:40:41	30.2	14	3161.7	10.5
15	67.8	2181.8	73	10:40:42	30.2	15	3171.9	10.5
14.8	68.5	2187	74	10:40:43	30.2	16	3182	10.5
69.91886	2192.5246	74.701754		10:40:44	30.2	17	3191.3	10.5
				10:40:45	30.2	18	3199.4	10.5

10:40:46	30.2	19	3207.5	10.5
10:40:47	30.2	20	3216.9	10.5
10:40:48	30.2	21	3226.5	10.5
10:40:49	30.2	22	3233.7	10.5
10:40:50	30.2	23	3238.5	10.5
10:40:51	30.2	24	3242.6	10.5
10:40:52	30.2	25	3248.9	10.8
10:40:53	30.2	26	3254.9	10.8
10:40:54	30.2	27	3261.5	10.8
10:40:55	30.2	28	3269.6	10.8
10:40:56	30.2	29	3278	10.8
10:40:57	30.2	30	3287.9	10.8
10:40:58	30.2	31	3297.1	10.8
10:40:59	30.2	32	3306.3	10.8
10:41:00	30.2	33	3315.3	11
10:41:01	30.2	34	3323.2	11



10:41:02	30.2	35	3330.4	11
10:41:03	30.2	36	3337.1	11
10:41:04	30.2	37	3345.2	11
10:41:05	30.2	38	3353.8	11.2
10:41:06	30.2	39	3363.2	11.2
10:41:07	30.2	40	3372.3	11.2
10:41:08	30.2	41	3381.2	11.2
10:41:09	30.2	42	3389.3	11.2
10:41:10	30.2	43	3397.2	11.2
10:41:11	30.2	44	3407.1	11.5
10:41:12	30.2	45	3417.8	11.5
10:41:13	30.2	46	3429.7	11.5
10:41:14	30.2	47	3441.5	11.5
10:41:15	30.2	48	3453.8	11.5
10:41:16	30.2	49	3466.8	11.8
10:41:17	30.2	50	3478.9	11.8
10:41:18	30.2	51	3489.7	11.8
10:41:19	30.2	52	3500.4	11.8
10:41:20	30.2	53	3511	11.8
10:41:21	30.2	54	3520.8	11.8
10:41:22	30.2	55	3529.6	11.8
10:41:23	30.2	56	3537.6	11.8
10:41:24	30.2	57	3546.9	11.8
10:41:25	30.2	58	3555.9	12
10:41:26	30.2	59	3564.8	12
10:41:27	30.2	60	3574.7	12
10:41:28	30.2	61	3584	12
10:41:29	30.2	62	3595	12
10:41:30	30.2	63	3605.5	12
10:41:31	30.2	64	3616.3	12

10:41:32	30.2	65	3626.8	12
10:41:33	30.2	66	3636.8	12
10:41:34	30.2	67	3647.3	12
10:41:35	30.2	68	3657	12
10:41:36	30.2	69	3667.5	12
10:41:37	30.2	70	3677.8	12
10:41:38	30.2	71	3687.9	12
10:41:39	30.2	72	3697.8	12
10:41:40	30.2	73	3707.1	12
10:41:41	30.2	74	3718.6	12
10:41:42	30.2	75	3729.5	12
10:41:43	30.2	76	3740.7	12
10:41:44	30.2	77	3752.2	12
10:41:45	30.2	78	3763.6	12
10:41:46	30.2	79	3775.5	12
10:41:47	30.2	80	3786.2	12

10:41:48	30.2	81	3798.1	12
10:41:49	30.2	82	3809.9	12
10:41:50	30.2	83	3821.2	12
10:41:51	30.2	84	3832.5	11.8
10:41:52	30.2	85	3843.3	11.8
10:41:53	30.2	86	3855.1	11.8
10:41:54	30.2	87	3865.6	11.8
10:41:55	30.2	88	3875.7	11.8
10:41:56	30.2	89	3885.7	11.8
10:41:57	30.2	90	3895.2	11.8
10:41:58	30.2	91	3905.4	11.8
10:41:59	30.2	92	3914.7	11.8
10:42:00	30.2	93	3925.1	11.8
10:42:01	30.2	94	3935.6	11.8
10:42:02	30.2	95	3947.1	11.8
10:42:03	30.2	96	3959.2	11.8
10:42:04	30.2	97	3970.6	11.8
10:42:05	30.2	98	3983.7	11.8
10:42:06	30.2	99	3995.6	11.5
10:42:07	30.2	100	4007.5	11.5
10:42:08	30.2	101	4020.4	11.5

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

Team 16 (1)

IAS	E1 RPM	TAS	#yyy-mm-d hh:mm:ss	inch	ft msl	deg C
			Lcl Date Lcl Time	BaroA	AltMSL	OAT
73.92	2370.2	77	into the wind			
73.92	2362.9	77	3/3/18 08:43:20	30.2	0 3000.6	12.8
73.74	2370.4	77	3/3/18 08:43:21	30.2	1 3007.7	12.8
73.67	2363.4	77	3/3/18 08:43:22	30.2	2 3014.2	12.8
73.41	2366.2	77	3/3/18 08:43:23	30.2	3 3020.4	12.8
73.37	2364.1	77	3/3/18 08:43:24	30.2	4 3028.1	12.8
73.22	2375.9	77	3/3/18 08:43:25	30.2	5 3036.3	12.8
73.94	2372.9	77	3/3/18 08:43:26	30.2	6 3044.1	12.8
75.17	2368.1	79	3/3/18 08:43:27	30.2	7 3049.7	12.8
76.5	2376.1	80	3/3/18 08:43:28	30.2	8 3055.7	12.8
77.15	2386.2	81	3/3/18 08:43:29	30.2	9 3061.8	12.8
75.85	2378	80	3/3/18 08:43:30	30.2	10 3067.3	12.8
74.42	2373.6	78	3/3/18 08:43:31	30.2	11 3072.6	12.8
73.62	2368	77	3/3/18 08:43:32	30.2	12 3077.6	12.8
73.27	2369	77	3/3/18 08:43:33	30.2	13 3084.5	12.8
73.12	2372.1	77	3/3/18 08:43:34	30.2	14 3091	12.8
72.85	2365.6	76	3/3/18 08:43:35	30.2	15 3096.5	12.8
73.1	2362.7	77	3/3/18 08:43:36	30.2	16 3101.4	12.8
73.36	2362.9	77	3/3/18 08:43:37	30.2	17 3106.3	12.5
73.13	2363.2	77	3/3/18 08:43:38	30.2	18 3111	12.5
73.87	2361.7	78	3/3/18 08:43:40	30.2	19 3116.4	12.5
74.39	2366.4	78	3/3/18 08:43:41	30.2	20 3121.2	12.5
74.58	2367.9	78	3/3/18 08:43:42	30.2	21 3127.1	12.5
74.9	2371.3	79	3/3/18 08:43:43	30.2	22 3134.5	12.5
75.22	2375.1	79	3/3/18 08:43:44	30.2	23 3142.6	12.5
75.16	2367.8	79	3/3/18 08:43:45	30.2	24 3152.1	12.5

75.45	2374.5	79	3/3/18 08:43:46	30.2	25	3160.3	12.5
76.12	2376	80	3/3/18 08:43:47	30.2	26	3166.3	12.5
76.34	2370.7	80	3/3/18 08:43:48	30.2	27	3171.9	12.5
75.86	2368.8	80	3/3/18 08:43:49	30.2	28	3176.5	12.5
75.4	2369.4	79	3/3/18 08:43:50	30.2	29	3180.5	12.5
74.92	2372.2	79	3/3/18 08:43:51	30.2	30	3182.4	12.5
74.64	2363.5	79	3/3/18 08:43:52	30.2	31	3185.8	12.5
74.35	2367.8	78	3/3/18 08:43:53	30.2	32	3190.3	12.5
74.23	2366	78	3/3/18 08:43:54	30.2	33	3194.9	12.5
74.34	2361.5	78	3/3/18 08:43:55	30.2	34	3200	12.5
74.53	2359.1	79	3/3/18 08:43:56	30.2	35	3205.5	12.5
74.95	2374.4	79	3/3/18 08:43:57	30.2	36	3212.6	12.5
75.35	2374.5	79	3/3/18 08:43:58	30.2	37	3219.2	12.5
75.52	2365.6	80	3/3/18 08:43:59	30.2	38	3225.1	12.5
75.49	2369.5	80	3/3/18 08:44:00	30.2	39	3231.3	12.5
75.49	2371.6	80	3/3/18 08:44:01	30.2	40	3238.3	12.5



75.8	2377.6	80	3/3/18	08:44:02	30.2	41	3246.5	12.5
76.15	2369.1	80	3/3/18	08:44:03	30.2	42	3252.9	12.5
76.22	2372.8	80	3/3/18	08:44:04	30.2	43	3260.3	12.5
76.27	2378.3	80	3/3/18	08:44:05	30.2	44	3269	12.5
76.27	2377.4	80	3/3/18	08:44:06	30.2	45	3278.6	12.5
76.3	2372.9	81	3/3/18	08:44:07	30.2	46	3287.9	12.5
76.11	2373.6	80	3/3/18	08:44:08	30.2	47	3297.4	12.5
76.03	2367.9	80	3/3/18	08:44:09	30.2	48	3308.7	12.5
75.9	2374.3	80	3/3/18	08:44:10	30.2	49	3319.2	12.5
75.82	2363.3	80	3/3/18	08:44:11	30.2	50	3328.8	12.5
75.88	2370.5	80	3/3/18	08:44:12	30.2	51	3338.2	12.5
75.83	2374.2	80	3/3/18	08:44:14	30.2	52	3348.9	12.5
75.82	2366.7	80	3/3/18	08:44:15	30.2	53	3349.9	12.5
75.74	2373.3	80	3/3/18	08:44:16	30.2	54	3350.6	12.2
75.72	2366.6	80	3/3/18	08:44:17	30.2	55	3350.5	12.2
75.81	2375.7	80	3/3/18	08:44:18	30.2	56	3349.2	12.2
76	2367.1	80	3/3/18	08:44:19	30.2	57	3347.5	12.2
76.21	2375.8	81	3/3/18	08:44:20	30.2	58	3346.9	12.2
76.18	2369.4	81	3/3/18	08:44:21	30.2	59	3349.3	12.2
76.13	2370	81	3/3/18	08:44:22	30.2	60	3352.5	12.2
76.06	2381	80	3/3/18	08:44:23	30.2	61	3356.8	12.2
75.87	2370.6	80	3/3/18	08:44:24	30.2	62	3362.8	12.2
75.84	2366.2	80	3/3/18	08:44:25	30.2	63	3370.2	12.2
75.64	2368.5	80	3/3/18	08:44:26	30.2	64	3379	12.2
75.71	2371.7	80	3/3/18	08:44:27	30.2	65	3385.6	12.2
75.67	2366.4	80	3/3/18	08:44:28	30.2	66	3392.2	12.2
75.72	2368.6	80	3/3/18	08:44:29	30.2	67	3398.7	12.2
75.51	2371.2	80	3/3/18	08:44:30	30.2	68	3404.2	12.2
75.5	2368.3	80	3/3/18	08:44:31	30.2	69	3409.4	12.2
75.67	2367.3	80	3/3/18	08:44:32	30.2	70	3414.9	12.2
75.68	2368.4	80	3/3/18	08:44:33	30.2	71	3419.8	12.2

75.69	2370	80	3/3/18	08:44:34	30.2	72	3425.2	12
75.55	2371.6	80	3/3/18	08:44:35	30.2	73	3430.5	12
75.51	2363.3	80	3/3/18	08:44:36	30.2	74	3436	12
75.49	2366.2	80	3/3/18	08:44:37	30.2	75	3441.6	12
75.54	2366.4	80	3/3/18	08:44:38	30.2	76	3447.4	12
75.53	2361.4	80	3/3/18	08:44:39	30.2	77	3453	12
75.57	2367.8	80	3/3/18	08:44:41	30.2	78	3462.6	12
75.68	2372.7	80	3/3/18	08:44:42	30.2	79	3468.1	12
75.75	2369.9	80	3/3/18	08:44:43	30.2	80	3473.6	12
75.75	2373.3	80	3/3/18	08:44:44	30.2	81	3479.5	12
75.58	2371.6	80	3/3/18	08:44:45	30.2	82	3485.6	12
75.65	2373.5	80	3/3/18	08:44:46	30.2	83	3491.6	12
75.48	2367.7	80	3/3/18	08:44:47	30.2	84	3496.9	12
75.34	2383.3	80	3/3/18	08:44:48	30.2	85	3503.3	12

75.36	2368.3	80	3/3/18	08:44:49	30.2	86	3510	12
75.31	2367.7	80	3/3/18	08:44:50	30.2	87	3517	12
75.19	2361.4	80	3/3/18	08:44:51	30.2	88	3523.3	12
75.1	2362.3	80	3/3/18	08:44:52	30.2	89	3529.4	12
75.05	2372.7	80	3/3/18	08:44:53	30.2	90	3536.1	12
75.06	2373.5	80	3/3/18	08:44:54	30.2	91	3543.1	12
75.26	2361.9	80	3/3/18	08:44:55	30.2	92	3550	12
75.31	2364.6	80	3/3/18	08:44:56	30.2	93	3557.1	12
75.31	2371.3	80	3/3/18	08:44:57	30.2	94	3565.1	12
75.207813	2369.7281	79.3125	3/3/18	08:44:58	30.2	95	3572.7	12
75.16	2367.6		3/3/18	08:44:59	30.2	96	3578.6	12
73.35	2368.3		3/3/18	08:45:00	30.2	97	3583	11.8
73.04	2367.3		3/3/18	08:45:01	30.2	98	3587.2	11.8
72.1	2367.1		3/3/18	08:45:02	30.2	99	3591.3	11.8
70.02	2353.8		3/3/18	08:45:03	30.2	100	3594.1	11.8
71.35	2355.7		3/3/18	08:45:04	30.2	101	3596.3	11.8
72.31	2359.5		3/3/18	08:45:05	30.2	102	3599.6	11.8
72.37	2362.2		3/3/18	08:45:06	30.2	103	3602.1	11.8
72.54	2363.6		3/3/18	08:45:07	30.2	104	3604.1	11.8
73.43	2378.3		3/3/18	08:45:08	30.2	105	3606.5	11.8
75.49	2369.8		3/3/18	08:45:09	30.2	106	3610	11.8
74.59	2377.5		3/3/18	08:45:10	30.2	107	3613.8	11.8
74.27	2368.8		3/3/18	08:45:11	30.2	108	3617.4	11.8
74.99	2376.6		3/3/18	08:45:12	30.2	109	3621.3	11.8
75.53	2372.3		3/3/18	08:45:13	30.2	110	3625.7	11.8
74.76	2378.1		3/3/18	08:45:14	30.2	111	3630.5	11.8
74.6	2376.1		3/3/18	08:45:15	30.2	112	3634	11.8
74.77	2371.4		3/3/18	08:45:16	30.2	113	3638.1	11.8
75.08	2376.7		3/3/18	08:45:17	30.2	114	3644.6	11.5

75.15	2373.7	3/3/18	08:45:18	30.2	115	3653.8	11.5
73.41	2369.7	3/3/18	08:45:19	30.2	116	3663.8	11.5
72.45	2369.2	3/3/18	08:45:20	30.2	117	3674.6	11.5
73.47	2371.1	3/3/18	08:45:21	30.2	118	3688.1	11.5
73.99	2367.1	3/3/18	08:45:22	30.2	119	3699.7	11.5
74.85	2370.9	3/3/18	08:45:23	30.2	120	3709.2	11.5
75.5	2374.3	3/3/18	08:45:24	30.2	121	3717.5	11.5
76.64	2378.2	3/3/18	08:45:25	30.2	122	3724.7	11.5
77.36	2382.4	3/3/18	08:45:26	30.2	123	3729.8	11.5
77.71	2383	3/3/18	08:45:27	30.2	124	3731.5	11.5
77.25	2388	3/3/18	08:45:28	30.2	125	3733.6	11.5
77.01	2382.8	3/3/18	08:45:29	30.2	126	3736.9	11.5
76.17	2379.5	3/3/18	08:45:30	30.2	127	3741.6	11.5
75.41	2382.6	3/3/18	08:45:31	30.2	128	3745.8	11.5
74.97	2375.8	3/3/18	08:45:32	30.2	129	3749.5	11.5
74.66	2377.2	3/3/18	08:45:33	30.2	130	3754.7	11.5

75.23	2374.2	3/3/18	08:45:34	30.2	131	3759.3	11.5
75.88	2384.5	3/3/18	08:45:35	30.2	132	3762.7	11.5
76.55	2384.7	3/3/18	08:45:36	30.2	133	3766.3	11.5
76.82	2392.7	3/3/18	08:45:37	30.2	134	3770.7	11.5
77.42	2384.3	3/3/18	08:45:38	30.2	135	3775.6	11.5
77.72	2381.3	3/3/18	08:45:39	30.2	136	3780.1	11.2
77.25	2388.5	3/3/18	08:45:40	30.2	137	3786	11.2
77.2	2381.8	3/3/18	08:45:41	30.2	138	3792.8	11.2
77.14	2383.8	3/3/18	08:45:42	30.2	139	3800.2	11.2
76.85	2384.1	3/3/18	08:45:43	30.2	140	3807.5	11.2
76.59	2383.7	3/3/18	08:45:44	30.2	141	3815.5	11.2
76.27	2379.7	3/3/18	08:45:45	30.2	142	3825.9	11.2
75.9	2379.7	3/3/18	08:45:46	30.2	143	3834.5	11.2
75.59	2377.2	3/3/18	08:45:47	30.2	144	3842.5	11.2
75.26	2371.9	3/3/18	08:45:48	30.2	145	3850.5	11.2
74.9	2371.8	3/3/18	08:45:49	30.2	146	3858.8	11.2
74.55	2368.9	3/3/18	08:45:50	30.2	147	3866.6	11.2
74.2	2372.6	3/3/18	08:45:51	30.2	148	3871	11.2
73.93	2378.8	3/3/18	08:45:52	30.2	149	3874.1	11.2
73.71	2365.2	3/3/18	08:45:53	30.2	150	3877.2	11.2
73.68	2364.6	3/3/18	08:45:54	30.2	151	3879.6	11.2
73.7	2377.9	3/3/18	08:45:55	30.2	152	3880.9	11.2
73.89	2378.8	3/3/18	08:45:56	30.2	153	3881.2	11.2
73.92	2368.6	3/3/18	08:45:57	30.2	154	3882.6	11.2
74.03	2366.6	3/3/18	08:45:58	30.2	155	3883.1	11.2
74.11	2368.7	3/3/18	08:45:59	30.2	156	3883.1	11
74.25	2377.6	3/3/18	08:46:00	30.2	157	3884	11
74.37	2377.8	3/3/18	08:46:01	30.2	158	3885.4	11
74.37	2381.4	3/3/18	08:46:02	30.2	159	3887.9	11
74.48	2373.5	3/3/18	08:46:03	30.2	160	3890.7	11

74.5	2366.6	3/3/18	08:46:04	30.2	161	3895.8	11
74.56	2368.3	3/3/18	08:46:05	30.2	162	3903.1	11
74.56	2372.9	3/3/18	08:46:06	30.2	163	3911	11
74.66	2368.4	3/3/18	08:46:07	30.2	164	3920.3	11
74.74	2368.7	3/3/18	08:46:08	30.2	165	3928.8	11
74.83	2369.2	3/3/18	08:46:09	30.2	166	3937.7	11
74.94	2373.1	3/3/18	08:46:10	30.2	167	3945.8	11
75.22	2372.7	3/3/18	08:46:11	30.2	168	3953.1	11
75.47	2376.2	3/3/18	08:46:12	30.2	169	3959.6	11
75.66	2369.5	3/3/18	08:46:13	30.2	170	3966.1	11
75.72	2372.1	3/3/18	08:46:14	30.2	171	3972	11
75.75	2374.7	3/3/18	08:46:15	30.2	172	3976.5	11
75.67	2383.7	3/3/18	08:46:16	30.2	173	3980	11
75.64	2375.9	3/3/18	08:46:17	30.2	174	3983.9	11
75.71	2371.4	3/3/18	08:46:18	30.2	175	3987.7	11
75.63	2376.4	3/3/18	08:46:19	30.2	176	3991.6	11

75.54	2374.9	3/3/18	08:46:20	30.2	177	3995.4	11
75.51	2369.8	3/3/18	08:46:21	30.2	178	4001	10.8
75.57	2373.2						
75.56	2371.7						
75.44	2377.7						
75.37	2376.5						
75.44	2368.6						
75.51	2365						
75.73	2372.7						
75.88	2379.5						
75.93	2381.5						
76.14	2370.6						
76.33	2374.1						
76.49	2364.7						
76.5	2375.1						
76.57	2374.8						
76.6	2376.8						
76.63	2372.1						
76.7	2370.7						
76.98	2382						
76.64	2371.6						
75.155196	2374.1618						





			Team 18 (both)					
kt	rpm	kt	hh:mm:ss	inch	ft msl	deg C	kt	
IAS	E1 RPM	TAS	Lcl Time	BaroA	AltMSL	OAT	IAS	
			<b>08:37:17</b>	30.2	0	3028.9	12.5	89.05
101.41	2320.2	106	<b>08:37:18</b>	30.2	1	3039.8	12.5	89.05
101.31	2332.5	106	<b>08:37:19</b>	30.2	2	3050.4	12.5	88.75
101.36	2322.2	106	<b>08:37:20</b>	30.2	3	3060.6	12.5	88.57
101.37	2328.3	106	<b>08:37:21</b>	30.2	4	3070.5	12.5	88.5
101.07	2326.8	106	<b>08:37:22</b>	30.2	5	3079.7	12.5	88.3
100.96	2322.9	106	<b>08:37:23</b>	30.2	6	3089.8	12.5	88.18
100.88	2323	106	<b>08:37:24</b>	30.2	7	3100.2	12.5	88.05
100.72	2316.9	106	<b>08:37:25</b>	30.2	8	3111	12.5	88.2
100.45	2319.1	105	<b>08:37:26</b>	30.2	9	3121.2	12.5	87.89
100.4	2317.4	105	<b>08:37:27</b>	30.2	10	3132.2	12.5	87.98
100.12	2327.3	105	<b>08:37:28</b>	30.2	11	3142.8	12.5	87.78
100.06	2319	105	<b>08:37:29</b>	30.2	12	3151.2	12.5	87.75
100.12	2324.3	105	<b>08:37:30</b>	30.2	13	3158	12.5	87.86
100.01	2318.3	105	<b>08:37:31</b>	30.2	14	3164.9	12.5	88.23
100.13	2314.8	105	<b>08:37:32</b>	30.2	15	3172.9	12.5	88.12
100.2	2318.8	105	<b>08:37:33</b>	30.2	16	3181.6	12.5	88.36
100.34	2324.8	105	<b>08:37:34</b>	30.2	17	3190.5	12.5	88.31
100.26	2312.8	105	<b>08:37:35</b>	30.2	18	3200.9	12.5	88.05
100.69	2320.6	106	<b>08:37:36</b>	30.2	19	3210.6	12.5	88.34
100.88	2324.3	106	<b>08:37:37</b>	30.2	20	3218.5	12.5	88.39
101.03	2324.9	106	<b>08:37:38</b>	30.2	21	3224.4	12.5	88.54
100.72	2320.9	106	<b>08:37:39</b>	30.2	22	3229.9	12.5	88.95
100.71	2314	106	<b>08:37:40</b>	30.2	23	3235.2	12.5	89.55
100.47	2323.7	105	<b>08:37:41</b>	30.2	24	3239	12.5	89.74
99.99	2312.7	105	<b>08:37:42</b>	30.2	25	3242.9	12.5	90.68

99.76	2316.1	105	<b>08:37:43</b>	30.2	26	3247.4	12.5	90.84
99.23	2307.1	104	<b>08:37:44</b>	30.2	27	3253.2	12.5	91.2
99.2	2317.8	104	<b>08:37:45</b>	30.2	28	3260.3	12.5	91.63
99.53	2309.9	104	<b>08:37:46</b>	30.2	29	3266.1	12.5	91.99
99.7	2328.9	105	<b>08:37:47</b>	30.2	30	3273.5	12.5	92.07
99.77	2320.1	105	<b>08:37:48</b>	30.2	31	3281.3	12.5	92.02
99.95	2314.4	105	<b>08:37:49</b>	30.2	32	3289.6	12.5	92.32
99.93	2312.8	105	<b>08:37:50</b>	30.2	33	3298.5	12.5	92.38
100.11	2321.6	105	<b>08:37:51</b>	30.2	34	3307.8	12.5	91.96
100.05	2321.6	105	<b>08:37:52</b>	30.2	35	3318.6	12.5	91.81
100.07	2331.8	105	<b>08:37:53</b>	30.2	36	3328.8	12.5	91.71
100.38	2325.3	105	<b>08:37:54</b>	30.2	37	3338.9	12.5	91.62
100.57	2316.5	106	<b>08:37:55</b>	30.2	38	3349	12.5	91.37
100.56	2333.8	106	<b>08:37:56</b>	30.2	39	3359.4	12.5	91.4
100.62	2313.9	106	<b>08:37:57</b>	30.2	40	3370.2	12.5	90.99
100.13	2320.7	105	<b>08:37:58</b>	30.2	41	3379.9	12.5	90.51

99.85	2325.1	105	<b>08:37:59</b>	30.2	42	3390.4	12.5	90.67
99.8	2315.6	105	<b>08:38:00</b>	30.2	43	3400.5	12.2	90.66
99.22	2310.8	104	<b>08:38:01</b>	30.2	44	3409.9	12.2	90.54
98.78	2308.3	104	<b>08:38:02</b>	30.2	45	3419	12.2	90.55
98.18	2315.8	103	<b>08:38:03</b>	30.2	46	3427.3	12.2	90.45
97.86	2305.1	103	<b>08:38:04</b>	30.2	47	3436.3	12.2	90.59
97.39	2306.9	102	<b>08:38:05</b>	30.2	48	3444.1	12.2	90.67
97.04	2306.3	102	<b>08:38:06</b>	30.2	49	3452.2	12.2	90.98
96.79	2305.9	102	<b>08:38:07</b>	30.2	50	3460.2	12.2	91.16
96.24	2297.5	101	<b>08:38:08</b>	30.2	51	3468	12.2	91.18
95.88	2297.4	101	<b>08:38:09</b>	30.2	52	3476.7	12.2	91.25
96.33	2296.6	101	<b>08:38:10</b>	30.2	53	3483.9	12.2	91.13
96.3	2290.9	101	<b>08:38:11</b>	30.2	54	3492	12.2	91.16
96.97	2297	102	<b>08:38:12</b>	30.2	55	3500.1	12.2	91.38
97.48	2302.2	103	<b>08:38:13</b>	30.2	56	3508.3	12.2	91.33
98.16	2302.8	103	<b>08:38:14</b>	30.2	57	3516.6	12.2	91.37
99	2310	104	<b>08:38:15</b>	30.2	58	3524.3	12.2	91.36
99.73	2314.3	105	<b>08:38:16</b>	30.2	59	3532.8	12.2	91.18
100.57	2326.8	106	<b>08:38:17</b>	30.2	60	3540.2	12.2	91.18
101.13	2320.3	106	<b>08:38:18</b>	30.2	61	3547	12.2	91.37
101.3	2321.6	107	<b>08:38:19</b>	30.2	62	3553.5	12	91.4
101.59	2328.9	107	<b>08:38:20</b>	30.2	63	3560.3	12	91.75
101.53	2323	107	<b>08:38:21</b>	30.2	64	3569	12	91.68
101.07	2331.1	106	<b>08:38:22</b>	30.2	65	3577.8	12	91.56
101.17	2328.2	107	<b>08:38:23</b>	30.2	66	3588.3	12	91.26
100.7	2318.1	106	<b>08:38:24</b>	30.2	67	3599.3	12	90.94
100.61	2316.5	106	<b>08:38:25</b>	30.2	68	3611	12	90.56
100.41	2313.7	106	<b>08:38:26</b>	30.2	69	3623.2	12	90.16
100.38	2325.7	106	<b>08:38:27</b>	30.2	70	3635.1	12	89.81
100.39	2320	106	<b>08:38:28</b>	30.2	71	3647.7	12	89.42

100.4	2316.4	106	<b>08:38:29</b>	30.2	72	3658.8	12	89.08
100.48	2321.9	106	<b>08:38:30</b>	30.2	73	3669.2	12	88.9
100.3	2327.9	106	<b>08:38:31</b>	30.2	74	3678.9	12	88.92
100.38	2319.4	106	<b>08:38:32</b>	30.2	75	3687.3	12	88.87
100.37	2315.6	106	<b>08:38:33</b>	30.2	76	3695.9	12	88.85
100.28	2316.5	106	<b>08:38:34</b>	30.2	77	3703.3	12	88.83
100.24	2322.5	106	<b>08:38:35</b>	30.2	78	3711.9	12	88.98
100.03	2319.8	105	<b>08:38:36</b>	30.2	79	3720.1	12	88.4
100.23	2317.9	106	<b>08:38:37</b>	30.2	80	3728.3	12	88.47
100.03	2309.4	105	<b>08:38:38</b>	30.2	81	3737.2	12	88.67
100.15	2318.1	106	<b>08:38:39</b>	30.2	82	3745.8	12	88.48
100.42	2318.1	106	<b>08:38:40</b>	30.2	83	3756.8	12	88.16
100.28	2324.9	106	<b>08:38:41</b>	30.2	84	3767	12	88.06
100.13	2317.8	106	<b>08:38:42</b>	30.2	85	3777.7	12	88.02
100.14	2315.4	106	<b>08:38:43</b>	30.2	86	3788.7	12	87.7

100.24	2317.8	106	<b>08:38:44</b>	30.2	87	3798.9	12	87.16
100.14	2321	106	<b>08:38:45</b>	30.2	88	3809.2	12	87.3
99.93	2325.1	105	<b>08:38:46</b>	30.2	89	3817.4	12	87.28
99.99	2321	106	<b>08:38:47</b>	30.2	90	3826.1	12	87.35
99.83	2315.2	105	<b>08:38:48</b>	30.2	91	3834.2	12	87.19
99.74	2327.7	105	<b>08:38:49</b>	30.2	92	3841.8	12	87.5
99.73	2315.3	105	<b>08:38:50</b>	30.2	93	3849.8	11.8	87.57
99.68	2310.8	105	<b>08:38:51</b>	30.2	94	3857	11.8	87.69
99.57	2322.1	105	<b>08:38:52</b>	30.2	95	3865	11.8	88.01
99.29	2309.4	105	<b>08:38:53</b>	30.2	96	3872.3	11.8	88.16
99.53	2308.3	105	<b>08:38:54</b>	30.2	97	3879	11.8	88.13
98.8	2313.6	104	<b>08:38:55</b>	30.2	98	3885.5	11.8	88.72
98.8	2310.2	104	<b>08:38:56</b>	30.2	99	3891	11.8	88.66
99.5	2307.8	105	<b>08:38:57</b>	30.2	100	3897.4	11.8	88.78
99.14	2306.5	105	<b>08:38:58</b>	30.2	101	3902.2	11.8	89.69
99.29	2312.3	105	<b>08:38:59</b>	30.2	102	3907.9	11.8	90.13
99.89	2318.9	106	<b>08:39:00</b>	30.2	103	3913.4	11.8	90.88
100.24	2310.6	106	<b>08:39:01</b>	30.2	104	3919.7	11.8	90.74
100.43	2316.1	106	<b>08:39:02</b>	30.2	105	3927	11.8	90.69
100.76	2327.1	106	<b>08:39:03</b>	30.2	106	3934.2	11.8	90.7
100.88	2320	107	<b>08:39:04</b>	30.2	107	3943.7	11.5	90.66
101.46	2315.1	107	<b>08:39:05</b>	30.2	108	3953.1	11.5	91.09
101.47	2319.8	107	<b>08:39:06</b>	30.2	109	3962.8	11.5	90.96
101.9	2319.1	108	<b>08:39:07</b>	30.2	110	3973.2	11.5	90.49
102.04	2331.7	108	<b>08:39:08</b>	30.2	111	3983.5	11.5	90.86
101.75	2328	108	<b>08:39:09</b>	30.2	112	3995.8	11.5	90.56
101.75	2334.6	108	<b>08:39:10</b>	30.2	113	4006.1	11.5	90.16
101.67	2322.6	107	<b>08:39:11</b>	30.2	114	4017.2	11.5	89.97
101.06	2322.4	107	<b>08:39:12</b>	30.2	115	4027.7	11.5	89.8
100.93	2332.7	107	<b>08:39:13</b>	30.2	116	4037.9	11.5	89.32

100.32	2331.6	106	<b>08:39:14</b>	30.2	117	4048.6	11.5	89.39
99.64	2309.4	105	<b>08:39:15</b>	30.2	118	4058.1	11.5	89.37
98.94	2313.3	105	<b>08:39:16</b>	30.2	119	4068.4	11.5	88.86
98.31	2310.3	104	<b>08:39:17</b>	30.2	120	4076.7	11.5	89.2
98.06	2304.9	104	<b>08:39:18</b>	30.2	121	4083.9	11.5	89.36
97.69	2299.3	103	<b>08:39:19</b>	30.2	122	4090.2	11.5	89.45
97.5	2301.2	103	<b>08:39:20</b>	30.2	123	4094.9	11.5	89.85
97.7	2301.6	103	<b>08:39:21</b>	30.2	124	4100.1	11.5	90.23
97.85	2312.4	104	<b>08:39:22</b>	30.2	125	4102.5	11.2	90.94
97.66	2304.1	103	<b>08:39:23</b>	30.2	126	4104.4	11.2	91.67
97.65	2299.7	103	<b>08:39:24</b>	30.2	127	4105.1	11.2	91.86
98.15	2311.3	104	<b>08:39:25</b>	30.2	128	4104.2	11.2	91.85
98.52	2302.2	104	<b>08:39:26</b>	30.2	129	4101.8	11.2	91.84
98.63	2307.1	104	<b>08:39:27</b>	30.2	130	4096.8	11.2	91.71
98.8	2307.7	105	<b>08:39:28</b>	30.2	131	4091.1	11.2	92.23

99.06	2300.9	105	<b>08:39:29</b>	30.2	132	4083.5	11.2	92.19
99.16	2312.2	105	<b>08:39:30</b>	30.2	133	4074.4	11.2	92.41
99.85	2324.1	106	<b>08:39:31</b>	30.2	134	4063.5	11.2	92.96
99.83	2319.4	106	<b>08:39:32</b>	30.2	135	4051.2	11.2	93.19
100.14	2314.8	106	<b>08:39:33</b>	30.2	136	4040.2	11.2	93.36
99.82	2322.4	106	<b>08:39:34</b>	30.2	137	4029	11.2	93.42
99.96	2310.6	106	<b>climb 2</b>					89.968261
99.92	2313.9	106	<b>08:42:31</b>	30.2	0	2994.8	13.2	88.01
99.66	2314	106	<b>08:42:32</b>	30.2	1	3007.3	13.2	87.96
99.14	2314	105	<b>08:42:33</b>	30.2	2	3020.9	13.2	87.77
99.13	2307.5	105	<b>08:42:34</b>	30.2	3	3034.4	13.2	88.06
98.73	2305.3	105	<b>08:42:35</b>	30.2	4	3048	13.2	87.47
98.97	2304.1	105	<b>08:42:36</b>	30.2	5	3061.7	13.2	86.71
98.32	2305.6	104	<b>08:42:37</b>	30.2	6	3075.4	13.2	86.94
98.16	2306.6	104	<b>08:42:38</b>	30.2	7	3088.4	13.2	86.67
97.92	2303.3	104	<b>08:42:39</b>	30.2	8	3100.6	13.2	86.51
97.54	2297.3	103	<b>08:42:40</b>	30.2	9	3112.5	13	86.45
97.51	2304.2	103	<b>08:42:41</b>	30.2	10	3123.5	13	86.4
97.41	2306.2	103	<b>08:42:42</b>	30.2	11	3133	13	86.42
97.7	2298	104	<b>08:42:43</b>	30.2	12	3141.2	13	86.78
97.95	2302.4	104	<b>08:42:44</b>	30.2	13	3148.9	13	87.42
98.38	2302.8	104	<b>08:42:45</b>	30.2	14	3156.4	13	87.86
99.05	2311.5	105	<b>08:42:46</b>	30.2	15	3164.6	13	88.19
99.5	2309	106	<b>08:42:47</b>	30.2	16	3173.4	13	88.8
100.46	2310.7	107	<b>08:42:48</b>	30.2	17	3183.3	13	88.94
100.87	2318.4	107	<b>08:42:49</b>	30.2	18	3193.9	13	89.13
101.78	2333	108	<b>08:42:50</b>	30.2	19	3203.7	13	89.28
101.87	2326.9	108	<b>08:42:51</b>	30.2	20	3212.6	13	89.37
101.91	2320.9	108	<b>08:42:52</b>	30.2	21	3221.5	13	89.53
102.13	2332.4	108	<b>08:42:53</b>	30.2	22	3231.2	13	89.39

102.3	2330.2	109	<b>08:42:54</b>	30.2	23	3241.2	12.8	89.8
102.25	2334.3	108	<b>08:42:55</b>	30.2	24	3251.8	12.8	89.67
101.82	2324.1	108	<b>08:42:56</b>	30.2	25	3263.6	12.8	89.53
101.44	2323.7	108	<b>08:42:57</b>	30.2	26	3276.5	12.8	89.5
101.08	2327.9	107	<b>08:42:58</b>	30.2	27	3289.2	12.8	89.4
100.56	2321.9	107	<b>08:42:59</b>	30.2	28	3302	12.8	89.5
100.12	2322.4	106	<b>08:43:00</b>	30.2	29	3314.9	12.8	89.32
99.9	2316.2	106	<b>08:43:01</b>	30.2	30	3327.7	12.8	89.32
99.81	2311.8	106	<b>08:43:02</b>	30.2	31	3339.3	12.8	89.01
99.67	2309.4	106	<b>08:43:03</b>	30.2	32	3350.3	12.8	88.29
99.51	2314.1	106	<b>08:43:04</b>	30.2	33	3361.5	12.8	88.48
99.38	2312.5	106	<b>08:43:05</b>	30.2	34	3373.1	12.8	88.59
99.65	2314.5	106	<b>08:43:06</b>	30.2	35	3384.4	12.8	88.63
99.69	2311.3	106	<b>08:43:07</b>	30.2	36	3396	12.8	88.9
99.87	2316	106	<b>08:43:08</b>	30.2	37	3407.8	12.5	88.86
100.07	2313.1	106	<b>08:43:09</b>	30.2	38	3420.6	12.5	88.73



100.25	2326.5	107	<b>08:43:10</b>	30.2	39	3433.4	12.5	88.56
100.41	2319.4	107	<b>08:43:11</b>	30.2	40	3444.8	12.5	88.62
99.806648	2316.1307	105.3352	<b>08:43:12</b>	30.2	41	3455.3	12.5	88.69
			<b>08:43:13</b>	30.2	42	3465.6	12.5	88.97
			<b>08:43:14</b>	30.2	43	3475.3	12.5	89.11
			<b>08:43:15</b>	30.2	44	3483.5	12.5	89.1
			<b>08:43:16</b>	30.2	45	3491.8	12.5	89.11
			<b>08:43:17</b>	30.2	46	3501	12.5	89.24
			<b>08:43:18</b>	30.2	47	3509.8	12.5	89.5
			<b>08:43:19</b>	30.2	48	3518.4	12.2	89.6
			<b>08:43:20</b>	30.2	49	3527.4	12.2	90.01
			<b>08:43:21</b>	30.2	50	3537.7	12.2	90.15
			<b>08:43:22</b>	30.2	51	3547	12.2	90.31
			<b>08:43:23</b>	30.2	52	3556.4	12.2	90.64
			<b>08:43:24</b>	30.2	53	3566	12.2	90.62
			<b>08:43:25</b>	30.2	54	3576.1	12.2	90.63
			<b>08:43:26</b>	30.2	55	3586.7	12.2	90.52
			<b>08:43:27</b>	30.2	56	3596.8	12.2	90.42
			<b>08:43:28</b>	30.2	57	3608.6	12.2	90.29
			<b>08:43:29</b>	30.2	58	3621.3	12.2	89.96
			<b>08:43:30</b>	30.2	59	3634.3	12.2	89.95
			<b>08:43:31</b>	30.2	60	3647.8	12.2	89.8
			<b>08:43:32</b>	30.2	61	3661	12.2	89.52
			<b>08:43:33</b>	30.2	62	3675.1	12.2	89.22
			<b>08:43:34</b>	30.2	63	3687.9	12.2	89.2
			<b>08:43:35</b>	30.2	64	3698.9	12.2	89.21
			<b>08:43:36</b>	30.2	65	3708.7	12.2	89.44
			<b>08:43:37</b>	30.2	66	3718.2	12	89.6
			<b>08:43:38</b>	30.2	67	3727.7	12	89.75

<b>08:43:39</b>	30.2	68	3735.6	12	89.79
<b>08:43:40</b>	30.2	69	3744.4	12	89.72
<b>08:43:41</b>	30.2	70	3754.6	12	89.82
<b>08:43:42</b>	30.2	71	3764.9	12	89.85
<b>08:43:43</b>	30.2	72	3775.2	12	89.97
<b>08:43:44</b>	30.2	73	3784.8	12	89.98
<b>08:43:45</b>	30.2	74	3796.1	12	90.1
<b>08:43:46</b>	30.2	75	3806.6	12	90.28
<b>08:43:47</b>	30.2	76	3816.3	12	90.34
<b>08:43:48</b>	30.2	77	3826.1	12	90.46
<b>08:43:49</b>	30.2	78	3836.2	12	90.55
<b>08:43:50</b>	30.2	79	3846.6	12	90.62
<b>08:43:51</b>	30.2	80	3855.5	11.8	90.6
<b>08:43:52</b>	30.2	81	3866	11.8	90.46
<b>08:43:53</b>	30.2	82	3877.1	11.8	90.43
<b>08:43:54</b>	30.2	83	3888.7	11.8	90.4
<b>08:43:55</b>	30.2	84	3900.6	11.8	90.28
<b>08:43:56</b>	30.2	85	3912.9	11.8	90.19

<b>08:43:57</b>	30.2	86	3926.8	11.8	90.01
<b>08:43:58</b>	30.2	87	3940	11.8	89.89
<b>08:43:59</b>	30.2	88	3952.3	11.8	89.67
<b>08:44:00</b>	30.2	89	3964.7	11.8	90.11
<b>08:44:01</b>	30.2	90	3976.8	11.8	89.33
<b>08:44:02</b>	30.2	91	3988.9	11.8	89.19
<b>08:44:03</b>	30.2	92	3999.2	11.8	89.39

185 89.212473

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

## Team 20 (both)

<b>rpm</b>	<b>kt</b>							<b>hh:mm:ss</b>
<b>E1 RPM</b>	<b>TAS</b>	Normalized	AltB	OAT	IAS	HDG	E1 RPM	<b>Lcl Time</b>
2493.7	93	0	2991	14.5	71.26	266.2	1729.4	<b>10:34:28</b>
2494.3	93	1	2991	14.5	71.58	266.6	1729.8	<b>10:34:29</b>
2491.1	93	2	2990	14.5	71.77	266.8	1729.1	<b>10:34:30</b>
2489.9	93	3	2988	14.5	71.28	267.3	1728.1	<b>10:34:31</b>
2488.3	93	4	2986	14.5	71.4	267	1729.5	<b>10:34:32</b>
2486.9	93	5	2985	14.5	72.38	268	1730.7	<b>10:34:33</b>
2488.9	92	6	2984	14.5	72.06	269.3	1732.2	<b>10:34:34</b>
2488.1	92	7	2984	14.5	72.46	270.2	1731	<b>10:34:35</b>
2492.2	92	8	2985	14.5	71.87	270.1	1730	<b>10:34:36</b>
2479.3	92	9	2987	14.5	72.21	270.5	1729.2	<b>10:34:37</b>
2484.8	92	10	2988	14.5	71.63	270.1	1728.6	<b>10:34:38</b>
2493.4	92	11	2990	14.5	71.45	270.1	1728.9	<b>10:34:39</b>
2478.5	92	12	2991	14.5	70.61	270.2	1726.5	<b>10:34:40</b>
2485.7	92	13	2994	14.5	70.3	269.2	1724.3	<b>10:34:41</b>
2489.4	93	14	2998	14.5	71.17	269	1726.4	<b>10:34:42</b>
2486.9	93	15	2997	14.5	71.16	269.7	1724.5	<b>10:34:43</b>
2486.2	93	16	2995	14.5	70.19	269.4	1722.6	<b>10:34:44</b>
2487.7	93	17	2995	14.5	69.79	269	1720.8	<b>10:34:45</b>
2484.7	92	18	2995	14.5	70.88	269.2	1720.9	<b>10:34:46</b>
2492.1	93	19	2992	14.5	72.12	270.5	1725.7	<b>10:34:47</b>
2486.8	93	20	2987	14.5	73.29	270.6	1733.4	<b>10:34:48</b>
2479.5	93	21	2979	14.5	75.8	270	1744.3	<b>10:34:49</b>
2487.6	93	22	2961	14.5	77.33	269.6	1754.2	<b>10:34:50</b>
2498.6	94	23	2938	14.5	79.62	268.8	1764.8	<b>10:34:51</b>
2495.6	94	24	2919	14.5	82.6	267.7	1779.5	<b>10:34:52</b>
2497.5	95	25	2900	14.5	85.38	267.4	1794.7	<b>10:34:53</b>
2497.7	95	26	2882	14.2	87.95	267.3	1810.1	<b>10:34:54</b>
2503.7	96	27	2862	14.2	90.32	267.5	1823.5	<b>10:34:55</b>

2502.4	96	28	2845	14.2	91.5	268	1835.9	<b>10:34:56</b>
2502	97	29	2828	14.2	92.4	267.7	1842.2	<b>10:34:57</b>
2512	97	30	2819	14.2	94.34	265.9	1850.7	<b>10:34:58</b>
2512.4	97	31	2810	14.2	95.62	265.5	1858.3	<b>10:34:59</b>
2505.2	97	32	2797	14.2	97.09	266.5	1865.7	<b>10:35:00</b>
2511.4	97	33	2782	14.2	98.1	267	1876.3	<b>10:35:01</b>
2507.5	97	34	2768	14.2	99.28	266.5	1883.2	<b>10:35:02</b>
2503.4	97	35	2758	14.2	100.71	266.7	1891.2	<b>10:35:03</b>
2502.8	97	36	2743	14.2	100.26	266.2	1896.5	<b>10:35:04</b>
2507.6	96	37	2733	14.2	102.21	265.6	1904.3	<b>10:35:05</b>
2498.8	96	38	2722	14.2	104.31	265.6	1918	<b>10:35:06</b>
2504	96	39	2706	14.2	104.7	266.1	1924.6	<b>10:35:07</b>
2502.1	96	41	2690	14.2	105.31	265.4	1929	<b>10:35:08</b>
2502.3	95	42	2670	14.2	106.29	264.4	1933.8	<b>10:35:09</b>

2497.8	96	43	2665	14.2	106.55	264.2	1933.9	<b>10:35:10</b>
2499.2	96	44	2656	14.2	106.69	264.9	1934.1	<b>10:35:11</b>
2508	95	45	2647	14.2	107.48	267	1940.4	<b>10:35:12</b>
2503.8	95	46	2631	14.2	105.3	267.4	1937.5	<b>10:35:13</b>
2499.6	95	47	2618	14.2	103.45	264.3	1929.4	<b>10:35:14</b>
2495.8	96	48	2632	14.5	106.39	264.6	1928.5	<b>10:35:15</b>
2499.5	96	49	2620	14.5	105.38	264.6	1930.6	<b>10:35:16</b>
2499.5	96	50	2615	14.5	105.27	265.2	1928	<b>10:35:17</b>
2509.1	96	51	2614	14.5	105.68	265.3	1929.8	<b>10:35:18</b>
2498.8	96	52	2608	14.5	105.59	265.9	1929.8	<b>10:35:19</b>
2508	96	53	2601	14.5	104.52	266.5	1925.1	<b>10:35:20</b>
2500.9	96	54	2597	14.5	105.89	268	1928.3	<b>10:35:21</b>
2502.5	96	55	2588	14.5	104.78	268	1929.5	<b>10:35:22</b>
2507.4	96	56	2586	14.5	104.15	267.3	1925.8	<b>10:35:23</b>
2499	96	57	2587	14.8	104.46	266	1925.3	<b>10:35:24</b>
2505.2	96	58	2591	14.8	104.06	266.2	1920	<b>10:35:25</b>
2505.3	96	59	2584	14.8	101.62	265	1910	<b>10:35:26</b>
2503	96	60	2592	14.8	102.25	265	1905.3	<b>10:35:27</b>
2502.3	96	61	2594	14.8	101.34	266.4	1899.7	<b>10:35:28</b>
2502.2	96	62	2594	14.8	100.73	268	1896.2	<b>10:35:29</b>
2501.9	97	63	2589	14.8	97.95	269.5	1889.1	<b>10:35:30</b>
2505.6	97	64	2595	15	95.16	268.1	1875.3	<b>10:35:31</b>
2504.9	97	65	2621	15	94.69	266.9	1861	<b>10:35:32</b>
2503.9	97	66	2638	15	94.41	267.1	1852.6	<b>10:35:33</b>
2505.4	96	67	2644	15	92.18	267.9	1840.5	<b>10:35:34</b>
2500.3	96	68	2645	15.2	89.45	268.4	1828.9	<b>10:35:35</b>
2506.8	96	69	2650	15.2	89	268.5	1824.3	<b>10:35:36</b>
2498.2	95	70	2658	15.2	88.6	268.9	1818.4	<b>10:35:37</b>
2495.5	95	71	2661	15.2	86.84	268.7	1813.3	<b>10:35:38</b>
2494.9	95	72	2664	15.2	86.53	268.5	1809.4	<b>10:35:39</b>

2489.5	94	73	2667	15.2	85.68	267.6	1803.4	<b>10:35:40</b>
2493	94	74	2669	15.2	84.7	266.7	1799	<b>10:35:41</b>
2490.1	94	76	2672	15.2	85.34	267.5	1797.5	<b>10:35:42</b>
2486.8	94	77	2673	15.2	84.43	268	1797.2	<b>10:35:44</b>
2497.6	94	78	2678	15.2	83.83	267.1	1794.8	<b>10:35:45</b>
2490.4	94	79	2689	15.2	82.48	266.3	1784.5	<b>10:35:46</b>
2485.8	94	80	2698	15.2	81.54	266.4	1778.3	<b>10:35:47</b>
2480.5	94	81	2706	15.5	79.14	266.6	1770.6	<b>10:35:48</b>
2483.7	94	82	2713	15.5	76.95	267.2	1858.6	<b>10:35:49</b>
2485.3	94	83	2717	15.5	76.04	267.7	2125.2	<b>10:35:50</b>
2483.4	94	84	2723	15.5	76.15	265.8	2216.1	<b>10:35:51</b>
2485	93	85	2738	15.5	76.96	265.5	2229.3	<b>10:35:52</b>
2484.1	93	86	2748	15.5	75.87	267.6	2226.7	<b>10:35:53</b>
2479.1	93	87	2760	15.5	73.36	268.4	2224.1	<b>10:35:54</b>
2478.6	93	88	2779	15.5	71.29	268.1	2216.6	<b>10:35:55</b>



2486.1	92	89	2802	15.5	69.89	267.4	2212.1	<b>10:35:56</b>
2479.9	93	90	2821	15.5	68.24	267.5	2206.4	<b>10:35:57</b>
2473.9	93	91	2837	15.5	66	267.7	2204.9	<b>10:35:58</b>
2480.2	93	93	2852	15.5	64.67	267.9	2201.9	<b>10:35:59</b>
2476.8	93	94	2878	15.5	64.7	266.8	2198.4	<b>10:36:00</b>
2481.9	93	95	2887	15.5	64.52	266.5	2199.9	<b>10:36:01</b>
2482.8	93	96	2893	15.5	65.45	266.6	2197.4	<b>10:36:02</b>
2479.6	93	97	2898	15.5	67.59	267	2203.1	<b>10:36:03</b>
2478	93	99	2901	15.5	67.85	267	2209.4	<b>10:36:04</b>
2482.7	94	100	2909	15.5	69.06	267.4	2208.4	<b>10:36:05</b>
2485.3	94	101	2913	15.5	69.77	266.5	2207.3	<b>10:36:06</b>
2485.3	94	102	2918	15.5	70.75	267	2211.6	<b>climb 2</b>
2483.8	94	103	2919	15.5	69.88	267.4	2213.4	<b>10:39:09</b>
2485.2	94	104	2923	15.2	71.02	267.6	2213.6	<b>10:39:10</b>
2494.1	95	105	2930	15.2	71.98	267.9	2218.7	<b>10:39:11</b>
2494	96	106	2938	15.2	71.26	267.5	2216.6	<b>10:39:12</b>
2492.2	97	107	2951	15.2	71.59	267.2	2217.2	<b>10:39:13</b>
2496	96	108	2966	15.2	72.2	267.4	2214.3	<b>10:39:14</b>
2496.3	96	109	2977	15.2	70.8	267.3	2210.8	<b>10:39:16</b>
2495.9	96	110	2989	15.2	70.45	267.7	2210.1	<b>10:39:17</b>
2498.8	96	111	3001	15.2	69.32	267.7	2207.7	<b>10:39:18</b>
2500.1	97	112	3014	15.2	69.56	267.2	2207.8	<b>10:39:19</b>
2499.5	97	113	3025	15.2	69.53	267.7	2206.4	<b>10:39:20</b>
2497.6	96	114	3036	15.2	68.92	268	2206.5	<b>10:39:21</b>
2499.2	97	115	3046	15.2	68.75	267.8	2203.2	<b>10:39:22</b>
2496.3	96	116	3056	15	69.22	268.5	2204.1	<b>10:39:23</b>
2500.6	96	118	3062	15	68.71	269	2207.4	<b>10:39:24</b>
2491.5	96	119	3075	15	69.8	268.9	2208.6	<b>10:39:25</b>
2497.9	96	120	3080	15	70.72	269.4	2211	<b>10:39:26</b>
2491	95	121	3088	15	71.51	269.4	2211.6	<b>10:39:27</b>

2490.6	95	122	3095	15	71.81	268.4	2213.9	<b>10:39:28</b>
2488.9	95	123	3106	15	71.89	267.7	2212.4	<b>10:39:29</b>
2487.5	95	124	3117	15	71.99	267.7	2213.9	<b>10:39:30</b>
2486.6	95	125	3127	14.8	72.06	268.4	2213.7	<b>10:39:31</b>
2488.6	95	126	3136	14.8	71.85	268.1	2214.2	<b>10:39:32</b>
2491.4	95	127	3149	14.8	71.9	268.5	2213	<b>10:39:33</b>
2492.2	96	128	3163	14.8	71.1	268.6	2211.4	<b>10:39:34</b>
2486.6	96	129	3175	14.8	70.18	269	2204.7	<b>10:39:35</b>
2480.4	97	130	3186	14.8	69.38	268.9	2204.3	<b>10:39:36</b>
2446.9	98	132	3200	14.8	69.24	268.8	2203.1	<b>10:39:37</b>
2274.5	98	132	3210	14.8	68.76	269.5	2203.6	<b>10:39:38</b>
2117.9	98	133	3220	14.8	70.24	270.3	2204.9	<b>10:39:39</b>
2062.7	98	134	3224	14.8	69.19	271.5	2205.7	<b>10:39:40</b>
2013.4	98	135	3233	14.8	70.02	272.1	2206.6	<b>10:39:41</b>
1958.5	98	136	3239	14.8	69.75	272.1	2208.2	<b>10:39:42</b>

1901	98	137	3249	14.5	69.45	271.5	2205.3	<b>10:39:43</b>
1858.8	98	138	3257	14.5	69.54	271.5	2205.1	<b>10:39:44</b>
1820.7	99	139	3262	14.5	70.01	271.8	2207.4	<b>10:39:45</b>
1773.8	99	140	3265	14.5	70.59	272	2208.4	<b>10:39:46</b>
1732.1	99	141	3268	14.5	70.87	271.8	2206	<b>10:39:47</b>
1708.8	99	142	3275	14.5	71.6	272.1	2207.9	<b>10:39:48</b>
2448.4391	95.086957	143	3282	14.5	71.82	272.5	2209.6	<b>10:39:49</b>
2493.1	92	144	3290	14.5	71.42	271.9	2211.7	<b>10:39:50</b>
2491.3	92	145	3299	14.5	71.55	271.4	2209.5	<b>10:39:51</b>
2492.4	92	146	3308	14.5	71.28	271.9	2209	<b>10:39:52</b>
2496.3	92	147	3315	14.5	71.03	271.3	2208.1	<b>10:39:53</b>
2487	92	148	3326	14.5	70.65	271.1	2208.2	<b>10:39:54</b>
2486.9	91	149	3337	14.5	70.44	270.7	2209.6	<b>10:39:55</b>
2485.7	91	150	3346	14.5	70.14	271	2210.2	<b>10:39:56</b>
2479.9	91	151	3354	14.2	69.56	270.8	2208.2	<b>10:39:57</b>
2487.8	91	152	3361	14.2	70	270.3	2208.8	<b>10:39:58</b>
2482.7	91	153	3371	14.2	70.36	269.9	2209.5	<b>10:39:59</b>
2481.1	91	154	3378	14.2	70.11	269.7	2214.3	<b>10:40:00</b>
2488.4	91	155	3384	14.2	71.13	269.4	2211	<b>10:40:01</b>
2483.8	91	156	3392	14.2	71.25	269.8	2215.8	<b>10:40:02</b>
2486	92	157	3397	14.2	70.74	269.9	2211.3	<b>10:40:03</b>
2489.3	92	158	3403	14.2	70.89	269.8	2212.5	<b>10:40:04</b>
2493	93	159	3411	14.2	71.18	269.9	2211.8	<b>10:40:05</b>
2496.3	93	160	3419	14.2	71	270.2	2208.8	<b>10:40:06</b>
2495.2	93	161	3427	14.2	70.62	270.6	2209.2	<b>10:40:07</b>
2497.7	94	162	3435	14.2	69.98	270.4	2209.5	<b>10:40:08</b>
2501.2	94	163	3446	14.2	70.42	269.5	2208.7	<b>10:40:09</b>
2493.9	94	164	3458	14.2	70.19	268.8	2206.2	<b>10:40:10</b>
2495.8	94	165	3468	14.2	70.14	268.5	2207.6	<b>10:40:11</b>
2496.3	94	166	3478	14.2	69.89	268	2209	<b>10:40:12</b>

2497.7	94	167	3487	14.2	70.09	267.7	2206.1	<b>10:40:13</b>
2496.4	94	168	3495	14.2	70.18	267.5	2205.5	<b>10:40:14</b>
2496.6	94	169	3503	14.2	70.52	267.3	2206.7	<b>10:40:15</b>
2510.4	94	170	3510	14.2	70.6	267.1	2208.3	<b>10:40:16</b>
2498.1	94	171	3518	14.2	71.88	267.4	2209.2	<b>10:40:17</b>
2498.1	94	172	3524	14.2	71.43	267.6	2210	<b>10:40:18</b>
2500.5	94	173	3533	14.2	70.65	267.5	2212.9	<b>10:40:19</b>
2499.7	94	174	3543	14.2	71.7	267.8	2212.9	<b>10:40:20</b>
2490.6	94	175	3550	14.2	70.31	267.7	2210.5	<b>10:40:21</b>
2491.6	93	177	3562	14.2	71.16	267.5	2210.8	<b>10:40:22</b>
2499.7	93	177	3569	14.2	69.94	267.1	2210.8	<b>10:40:23</b>
2490	93	178	3578	14.2	70.18	266.4	2210	<b>10:40:24</b>
2500.6	93	179	3588	14.2	69.56	265.7	2209.1	<b>10:40:25</b>
2492.3	94	180	3601	14.2	69.47	266	2208.8	<b>10:40:26</b>
2498.2	94	181	3610	14.2	69.17	266.8	2206.4	<b>10:40:27</b>
2496.1	94	183	3617	14.2	68.44	266.9	2207.6	<b>10:40:28</b>

2492.2	93	183	3627	14.2	67.81	266.1	2211.5	<b>10:40:30</b>
2491.6	93	184	3636	14.2	67.63	265.7	2205.8	<b>10:40:31</b>
2492.8	94	185	3643	14.2	67.24	265.2	2204.7	<b>10:40:32</b>
2490.6	94	186	3648	14.2	68.58	265.4	2206.5	<b>10:40:33</b>
2492.7	94	187	3653	14.2	69.83	266.2	2206.3	<b>10:40:34</b>
2492.3	94	188	3659	14.2	69.56	267.1	2210.5	<b>10:40:35</b>
2498.1	94	189	3665	14.2	70.8	267.1	2213.1	<b>10:40:36</b>
2499.7	94	190	3671	14.2	71.04	266.9	2219.2	<b>10:40:37</b>
2492.1	94	191	3676	14.2	71.23	267.4	2217.6	<b>10:40:38</b>
2502.9	95	192	3680	14.2	71.06	267.8	2221.6	<b>10:40:39</b>
2496.1	95	193	3687	14.2	70.5	267.8	2218.9	<b>10:40:40</b>
2495.6	95	195	3700	14.2	71.21	267.1	2219.7	<b>10:40:41</b>
2501.1	95	195	3713	14.2	71.3	266.8	2218	<b>10:40:42</b>
2505.6	96	196	3724	14.2	71.65	267.4	2215.9	<b>10:40:43</b>
2505.1	96	197	3733	14.2	71.04	267.3	2209.8	<b>10:40:44</b>
2502.5	96	198	3745	14.2	71.78	266.6	2210.9	<b>10:40:45</b>
2509.8	96	199	3758	14.2	72.11	266.6	2210.6	<b>10:40:46</b>
2510.3	96	200	3768	14.2	71.46	267.4	2206.5	<b>10:40:47</b>
2493.3	95	202	3777	14.2	70.71	267.8	2207.6	<b>10:40:48</b>
2500	95	202	3784	14.2	69.57	267.1	2204.5	<b>10:40:49</b>
2502.3	95	203	3796	14.2	70.09	265.9	2204.4	<b>10:40:50</b>
2496.8	95	204	3807	14.2	69.81	265.9	2205.5	<b>10:40:51</b>
2497	95	205	3816	14.2	69.55	265.9	2203.6	<b>10:40:52</b>
2489.3	94	207	3825	14.2	68.64	266.1	2203.2	<b>10:40:53</b>
2489.7	94	207	3829	14.2	67.65	267.1	2201.2	<b>10:40:54</b>
2494.7	94	208	3826	14.2	66.96	267.9	2205.2	<b>10:40:55</b>
2494.6	95	209	3832	14.2	67.82	267.2	2208.3	<b>10:40:56</b>
2494	95	210	3839	14.2	68.32	267.1	2207.4	<b>10:40:57</b>
2496.3	95	211	3846	14.2	67.13	266.3	2205.8	<b>10:40:58</b>
2499	95	212	3858	14.2	68.94	265.2	2205.3	<b>10:40:59</b>
2491.7	95	213	3868	14.2	69.25	265.3	2206.8	

2496.4	95	214	3868	14.2	69.81	266.6	2209.4
2502.8	95	215	3867	14.2	70.97	267.3	2214.4
2496.8	95	216	3873	14	71.9	266.6	2217.2
2496.6	95	217	3882	14	72.19	267.8	2214.9
2499.9	96	218	3886	14	72.43	270	2217.7
2495.2	96	219	3885	14	71.43	270.5	2218.5
2503.7	96	221	3898	14	73.16	270	2218
2505.7	96	222	3924	14	73.45	268.8	2219.2
2505.5	96	223	3937	14	73.34	269	2220.2
2494.3	96	224	3944	14	72.96	269.3	2219.3
2498.9	96	226	3953	14	72.72	269.1	2218.4
2507.2	96	226	3962	14	72.88	268.6	2217.2
2499.4	96	227	3971	14	73.16	268.3	2216.9
2494.6	96	228	3980	14	72.96	268.1	2215.8
2496.8	96	229	3991	14.2	72.88	268.1	2215.8
2500	96	230	4000	14	72.88	267.8	2214.3

2495.1	96	231	4011	14	72.38	267.4	2213.5
2498.6	96	232	4020	14	71.75	267.6	2210.4
2502.5	95	234	4027	14	71.44	267.9	2211.2
2498.6	96	234	4033	14	70.67	268.1	2210.9
2495.2	95	235	4041	14	70.21	268.1	2206
2492.3	95	236	4050	14	69.91	268	2208.8
2489.6	95	237	4060	14	69.61	267.5	2206.5
2495.8409	94.16129	238	4070	14	69.4	267.2	2206.2
		239	4080	14	69.04	267.2	2204.6
		240	4088	14	67.99	267.1	2203.7
		241	4097	14	67.52	267.5	2203.6
		242	4103	14	67.36	268.1	2200.7
		243	4107	14	67.64	268.2	2202.6
		244	4111	14	68.14	267.5	2202.7
		245	4117	14	69.73	266	2206.8
		246	4121	14	70.97	265.7	2208.3
		247	4123	14	71.96	266.8	2211.2
		248	4123	14	72.15	266.8	2213.2
		249	4126	14	73.22	265.9	2216.9
		251	4131	14	73.9	265.6	2214.8
		251	4136	14	75.48	265.1	2221.7
		252	4143	14	76.91	263.9	2218.9
		253	4154	14	75.94	263.9	2201.6
		254	4160	14	76.61	263.5	2137.3
		255	4171	14	75.85	264.4	2011.6
		256	4174	14	73.91	266.1	1834.8
		258	4178	14	71.68	267.9	1256.5
		259	4165	14	69.66	271.4	932.7



260

4145

14

69.62

273.4

911



## Team 22 (both)

## Team 23 (both)

	ft msl	kt	rpm	Time	MSL (ft)		KIAS (kt)	(fpm)
	AltMSL	IAS	E1 RPM					
				14:32:21	3007.2	0	83.54	551.92
<b>0</b>	<b>3001</b>	<b>80.05</b>	<b>2220.3</b>	14:32:22	3018.2	<b>1</b>	83.61	537.2
<b>1</b>	<b>3012.3</b>	<b>80.05</b>	<b>2230.1</b>	14:32:23	3029.5	<b>2</b>	83.66	580.71
<b>2</b>	<b>3024</b>	<b>80.11</b>	<b>2226.8</b>	14:32:24	3040.8	<b>3</b>	83.47	639.68
<b>3</b>	<b>3035.3</b>	<b>80.08</b>	<b>2226.6</b>	14:32:25	3051.8	<b>4</b>	82.58	642.27
<b>4</b>	<b>3045.7</b>	<b>80.19</b>	<b>2224.2</b>	14:32:26	3064.8	<b>5</b>	82.73	654.1
<b>5</b>	<b>3056.6</b>	<b>80.39</b>	<b>2231.7</b>	14:32:27	3076.7	<b>6</b>	82.18	664.95
<b>6</b>	<b>3067.8</b>	<b>80.64</b>	<b>2236.1</b>	14:32:28	3087.9	<b>7</b>	81.5	657.84
<b>7</b>	<b>3078</b>	<b>80.79</b>	<b>2226.7</b>	14:32:29	3099.3	<b>8</b>	81.71	689.01
<b>8</b>	<b>3089.3</b>	<b>80.64</b>	<b>2236</b>	14:32:30	3109.8	<b>9</b>	81.81	685.75
<b>9</b>	<b>3101.7</b>	<b>80.75</b>	<b>2220.8</b>	14:32:31	3119	<b>10</b>	80.4	608.78
<b>10</b>	<b>3114.3</b>	<b>80.71</b>	<b>2222.7</b>	14:32:32	3125.5	<b>11</b>	81.53	613.14
<b>11</b>	<b>3127</b>	<b>80.55</b>	<b>2224.7</b>	14:32:33	3132	<b>12</b>	80.16	623.31
<b>12</b>	<b>3139.3</b>	<b>80.39</b>	<b>2224.4</b>	14:32:34	3139.6	<b>13</b>	78.19	496.97
<b>13</b>	<b>3151.7</b>	<b>80.3</b>	<b>2228.8</b>	14:32:35	3145.8	<b>14</b>	78.88	351.84
<b>14</b>	<b>3163.6</b>	<b>80.1</b>	<b>2229.4</b>	14:32:36	3151.4	<b>15</b>	80.48	332.17
<b>15</b>	<b>3175.5</b>	<b>80.16</b>	<b>2225.8</b>	14:32:37	3160.8	<b>16</b>	82.74	399.95
<b>16</b>	<b>3187.8</b>	<b>80.14</b>	<b>2225.3</b>	14:32:38	3172.7	<b>17</b>	82.84	410.92
<b>17</b>	<b>3199.7</b>	<b>79.98</b>	<b>2221.9</b>	14:32:39	3182.6	<b>18</b>	83.81	438.24
<b>18</b>	<b>3212.2</b>	<b>79.96</b>	<b>2223.3</b>	14:32:40	3191.7	<b>19</b>	83.82	579.3
<b>19</b>	<b>3223.8</b>	<b>80</b>	<b>2224.7</b>	14:32:41	3206.1	<b>20</b>	82.78	719.73
<b>20</b>	<b>3235.8</b>	<b>79.98</b>	<b>2220.8</b>	14:32:42	3220.2	<b>21</b>	84	788.53
<b>21</b>	<b>3247.3</b>	<b>79.81</b>	<b>2219.7</b>	14:32:43	3231.8	<b>22</b>	83.63	778.27
<b>22</b>	<b>3259.6</b>	<b>79.76</b>	<b>2227.3</b>	14:32:44	3240	<b>23</b>	83.34	657.63
<b>23</b>	<b>3273.3</b>	<b>79.9</b>	<b>2226.3</b>	14:32:45	3255	<b>24</b>	83.35	415.02
<b>24</b>	<b>3285.3</b>	<b>79.78</b>	<b>2221.2</b>	14:32:46	3272	<b>25</b>	84.89	667.65
<b>25</b>	<b>3297.6</b>	<b>79.86</b>	<b>2222.4</b>	14:32:47	3286.6	<b>26</b>	83.27	930.39
<b>26</b>	<b>3309.7</b>	<b>79.61</b>	<b>2223</b>	14:32:48	3301	<b>27</b>	83.29	830.87

<b>27</b>	<b>3322</b>	<b>79.48</b>	<b>2225.6</b>	14:32:49	3316.8	<b>28</b>	80.01	832.41
<b>28</b>	<b>3332.6</b>	<b>79.63</b>	<b>2223.2</b>	14:32:50	3332.6	<b>29</b>	80.95	846.64
<b>29</b>	<b>3342.5</b>	<b>79.91</b>	<b>2219.3</b>	14:32:51	3347.4	<b>30</b>	78.91	814.58
<b>30</b>	<b>3352.3</b>	<b>79.96</b>	<b>2221.5</b>	14:32:52	3361.2	<b>31</b>	80.35	843.59
<b>31</b>	<b>3362.5</b>	<b>80.33</b>	<b>2225.1</b>	14:32:53	3375.6	<b>32</b>	81.49	938.43
<b>32</b>	<b>3372.9</b>	<b>80.37</b>	<b>2226.6</b>	14:32:54	3389.5	<b>33</b>	80.96	891.45
<b>33</b>	<b>3383.9</b>	<b>80.45</b>	<b>2222.7</b>	14:32:55	3403.9	<b>34</b>	80.98	857.54
<b>34</b>	<b>3395.6</b>	<b>80.3</b>	<b>2225.3</b>	14:32:56	3417.2	<b>35</b>	80.69	854.52
<b>35</b>	<b>3409</b>	<b>80.38</b>	<b>2224.2</b>	14:32:57	3431.2	<b>36</b>	80.2	840.06
<b>36</b>	<b>3420.5</b>	<b>80.38</b>	<b>2223.3</b>	14:32:58	3444.9	<b>37</b>	79.81	824.51
<b>37</b>	<b>3432.9</b>	<b>80.41</b>	<b>2226.5</b>	14:32:59	3456	<b>38</b>	79.64	809.45
<b>38</b>	<b>3444.5</b>	<b>80.36</b>	<b>2222.1</b>	14:33:00	3465.9	<b>39</b>	79.31	731.31
<b>39</b>	<b>3456.5</b>	<b>80.35</b>	<b>2221.6</b>	14:33:01	3474.5	<b>40</b>	79.58	676.83
<b>40</b>	<b>3467.5</b>	<b>80.2</b>	<b>2221.9</b>	14:33:02	3483.4	<b>41</b>	79.73	605.73
<b>41</b>	<b>3479</b>	<b>80.02</b>	<b>2234.4</b>	14:33:03	3489.9	<b>42</b>	80.02	537

42	3491.9	79.98	2218	14:33:04	3496.2	43	80.29	470.58
43	3503.7	79.76	2218.8	14:33:05	3502.2	44	80.42	422.78
44	3514.9	79.32	2217.2	14:33:06	3508.4	45	81.02	404.63
45	3526.3	79.27	2217.9	14:33:07	3514.3	46	81.1	389.43
46	3538.2	79.1	2216.6	14:33:08	3520	47	82.5	364.17
47	3549.6	78.99	2213.3	14:33:09	3526.8	48	84.35	417.75
48	3559.7	78.7	2210.1	14:33:10	3537.2	49	83.36	328.59
49	3571	78.61	2217.6	14:33:11	3548.3	50	83.34	418.6
50	3581.2	78.6	2217	14:33:12	3560.1	51	84.96	539.29
51	3591.5	78.65	2218.5	14:33:13	3573.9	52	81.34	593.04
52	3600.6	78.77	2216.8	14:33:14	3589.1	53	82.29	692.88
53	3610.2	78.77	2218.4	14:33:15	3603.8	54	81.61	802.85
54	3620.5	79.03	2211.3	14:33:16	3614.5	55	81.75	843.43
55	3629.5	79.06	2220.6	14:33:17	3628.4	56	81.72	727.18
56	3638.9	79.28	2214.6	14:33:18	3641.7	57	81.33	744.02
57	3647.7	79.38	2218.4	14:33:19	3655.4	58	81.27	752.28
58	3656.5	79.51	2217.2	14:33:20	3668.1	59	80.96	784.68
59	3665.3	79.72	2223	14:33:21	3681.4	60	81.13	802.89
60	3672	79.78	2218.7	14:33:22	3694.6	61	81.09	815.28
61	3679.8	80	2219.7	14:33:23	3706.8	62	80.93	779.36
62	3688	80.21	2217.7	14:33:24	3717.2	63	80.84	742.96
63	3695.4	80.17	2221	14:33:25	3726.6	64	81.11	724.73
64	3702.8	80.3	2218.8	14:33:26	3735.7	65	80.84	647.79
65	3711.5	80.43	2223.3	14:33:27	3743.1	66	80.5	563.96
66	3721.2	80.42	2219.7	14:33:28	3749	67	80.63	515.31
67	3730.3	80.32	2222.4	14:33:29	3754.4	68	80.99	465.4
68	3739.6	80.38	2221.1	14:33:30	3759.3	69	81.64	405.89
69	3748.4	80.37	2225.3	14:33:31	3763.5	70	82.46	357.99
70	3757.5	80.41	2218.8	14:33:32	3766.5	71	82.8	315.24
71	3767.1	80.41	2224.3	14:33:33	3770.8	72	83.48	277.59

<b>72</b>	<b>3775.3</b>	<b>80.26</b>	<b>2221.5</b>	14:33:34	3775.5	<b>73</b>	83.81	257.18
<b>73</b>	<b>3785.2</b>	<b>79.99</b>	<b>2222.6</b>	14:33:35	3781.6	<b>74</b>	84.35	264.08
<b>74</b>	<b>3796.9</b>	<b>79.76</b>	<b>2217.9</b>	14:33:36	3788.3	<b>75</b>	84.23	291.89
<b>75</b>	<b>3815.4</b>	<b>79.42</b>	<b>2216.8</b>	14:33:37	3796.4	<b>76</b>	84.28	339.85
<b>76</b>	<b>3822.8</b>	<b>79.23</b>	<b>2219.3</b>	14:33:38	3806	<b>77</b>	83.83	384.7
<b>77</b>	<b>3831.5</b>	<b>79.3</b>	<b>2212.4</b>	14:33:39	3816.2	<b>78</b>	83.57	444.58
<b>78</b>	<b>3838.7</b>	<b>79.56</b>	<b>2219.4</b>	14:33:40	3825.8	<b>79</b>	83.31	505.33
<b>79</b>	<b>3845.8</b>	<b>79.64</b>	<b>2220.5</b>	14:33:41	3834.9	<b>80</b>	83.02	557.58
<b>80</b>	<b>3853</b>	<b>79.92</b>	<b>2224.9</b>	14:33:42	3842.6	<b>81</b>	82.99	564.39
<b>81</b>	<b>3859.8</b>	<b>80.17</b>	<b>2218.7</b>	14:33:43	3849.4	<b>82</b>	82.62	513.26
<b>82</b>	<b>3866.6</b>	<b>80.47</b>	<b>2222.3</b>	14:33:44	3853.3	<b>83</b>	82.78	448.51
<b>83</b>	<b>3872.8</b>	<b>80.61</b>	<b>2220.1</b>	14:33:45	3857.4	<b>84</b>	83.33	396.14
<b>84</b>	<b>3880.9</b>	<b>80.84</b>	<b>2224.2</b>	14:33:46	3861	<b>85</b>	83.7	325.47
<b>85</b>	<b>3889.8</b>	<b>80.82</b>	<b>2222.3</b>	14:33:47	3864.9	<b>86</b>	83.96	259.73
<b>86</b>	<b>3899.2</b>	<b>80.77</b>	<b>2225.8</b>	14:33:48	3869.3	<b>87</b>	84.59	225.9

87	3909.9	80.54	2220.5	14:33:49	3874.9	88	85.1	247.05
88	3920.4	80.25	2222.3	14:33:50	3881.9	89	85.35	284.57
89	3931.7	80.05	2219.8	14:33:51	3889.1	90	84.45	289.24
90	3941.6	79.92	2219.2	14:33:52	3897.1	91	84.01	344.81
91	3950.1	79.86	2218.7	14:33:53	3905.3	92	82.86	405.36
92	3958	79.91	2221.6	14:33:54	3913.3	93	83.8	403.26
93	3966.3	79.92	2210.6	14:33:55	3921.4	94	84.07	472.59
94	3974.3	79.9	2216.4	14:33:56	3928.9	95	83.38	480.16
95	3981.6	79.99	2218.4	14:33:57	3936.3	96	82.9	463.87
96	3990.5	80.07	2222.4	14:33:58	3943.9	97	83.25	478.13
97	3999.3	80.16	2217.4	14:33:59	3951.4	98	83.63	461.43
		79.961633	2221.698	14:34:00	3958.4	99	83.82	462.2
0	3001.5	80.99	2243.1				82.225455	565.45556
1	3013.9	80.49	2230.5	14:39:00	3098.6	0	82.19	620.57
2	3027.3	79.61	2232.3	14:39:01	3108.2	1	82.2	612.5
3	3041	79.22	2238.7	14:39:02	3118.7	2	82.99	608.15
4	3053.2	78.88	2223.6	14:39:03	3129.7	3	82.83	608
5	3064.7	78.45	2234.9	14:39:05	3149.1	4	81.7	579.08
6	3083.2	78.08	2228	14:39:06	3158.5	5	81.16	563.53
7	3091.8	78.11	2219.8	14:39:07	3167.5	6	81.02	556.51
8	3099.4	78.23	2233.2	14:39:08	3176.6	7	80.93	544.7
9	3105.2	78.56	2226.6	14:39:09	3184.9	8	80.65	531.35
10	3109.6	79.03	2221.3	14:39:10	3193.1	9	80.86	506.43
11	3113.8	79.71	2239.3	14:39:11	3200.1	10	81.3	512.4
12	3117.9	80.45	2230.2	14:39:12	3206.3	11	81.75	465.16
13	3122.1	80.86	2230	14:39:13	3211.7	12	82.33	415.23
14	3127	81.53	2240.8	14:39:14	3217.4	13	82.91	379.7
15	3132.8	81.74	2234.2	14:39:15	3223.2	14	83.46	377.12
16	3141	81.98	2237	14:39:16	3229.6	15	84.39	388.95
17	3148.6	82.03	2237.1	14:39:17	3236	16	84.08	365.15

<b>18</b>	<b>3157.1</b>	<b>81.82</b>	<b>2239.6</b>	14:39:18	3243.4	<b>17</b>	84.29	359.71
<b>19</b>	<b>3166.6</b>	<b>81.64</b>	<b>2233.3</b>	14:39:19	3252.2	<b>18</b>	84.92	397.84
<b>20</b>	<b>3175.7</b>	<b>81.36</b>	<b>2239.5</b>	14:39:20	3262.3	<b>19</b>	85.17	434.84
<b>21</b>	<b>3185.4</b>	<b>81</b>	<b>2242.9</b>	14:39:21	3272.9	<b>20</b>	84.09	486.36
<b>22</b>	<b>3195.5</b>	<b>80.65</b>	<b>2231.5</b>	14:39:22	3283.4	<b>21</b>	83.63	543.85
<b>23</b>	<b>3206.2</b>	<b>80.5</b>	<b>2230.8</b>	14:39:23	3293.4	<b>22</b>	83.24	582.9
<b>24</b>	<b>3215.1</b>	<b>80.37</b>	<b>2230.4</b>	14:39:24	3303.8	<b>23</b>	82.94	612.85
<b>25</b>	<b>3224.4</b>	<b>80.32</b>	<b>2231.6</b>	14:39:25	3313.3	<b>24</b>	80.93	582.08
<b>26</b>	<b>3234</b>	<b>80.32</b>	<b>2234.1</b>	14:39:26	3323.2	<b>25</b>	82.67	524.62
<b>27</b>	<b>3243.8</b>	<b>80.37</b>	<b>2225.5</b>	14:39:27	3331.6	<b>26</b>	83.47	703.49
<b>28</b>	<b>3253.5</b>	<b>80.14</b>	<b>2228.2</b>	14:39:28	3339.2	<b>27</b>	83.79	650.58
<b>29</b>	<b>3264.2</b>	<b>79.78</b>	<b>2230.7</b>	14:39:29	3347.5	<b>28</b>	81.37	460.07
<b>30</b>	<b>3275.5</b>	<b>79.47</b>	<b>2225.6</b>	14:39:30	3356.1	<b>29</b>	81.8	464.32
<b>31</b>	<b>3286</b>	<b>79.31</b>	<b>2226.3</b>	14:39:31	3366.1	<b>30</b>	82.06	414.03
<b>32</b>	<b>3294.4</b>	<b>79.37</b>	<b>2221</b>	14:39:32	3376.2	<b>31</b>	83.11	516.4

33	3302.1	79.32	2229.3	14:39:33	3386.2	32	82.36	606.15
34	3308.6	79.52	2222.4	14:39:34	3397.4	33	79.78	515.6
35	3314.9	79.86	2224.5	14:39:35	3406.9	34	80.25	581.51
36	3320.7	80.14	2238.8	14:39:36	3414.7	35	79.64	570.17
37	3328	80.56	2228.7	14:39:37	3422.2	36	81.28	506.82
38	3335	80.71	2234.5	14:39:38	3429	37	80.7	517.78
39	3341.9	81	2243.2	14:39:39	3435.8	38	79.55	443.05
40	3349	81.48	2233.2	14:39:40	3443.6	39	78.84	396.78
41	3356.5	81.54	2245.7	14:39:42	3450.8	40	81.83	425.54
42	3366.7	81.79	2238.1	14:39:43	3454	41	82.51	338.74
43	3376.7	81.91	2236.1	14:39:44	3457.4	42	82.92	251.11
44	3386.4	81.68	2241.2	14:39:45	3462.2	43	83.28	221.72
45	3395.8	81.54	2238	14:39:46	3468.5	44	84.47	227.4
46	3404.1	81.7	2235.2	14:39:47	3475.5	45	84.87	257.08
47	3415.2	81.49	2242.5	14:39:48	3483	46	84.38	295.81
48	3425	81.23	2233.9	14:39:49	3492.8	47	85.53	384.87
49	3437.4	81.01	2227.7	14:39:50	3504.3	48	84.66	484.2
50	3449.1	80.87	2235.6	14:39:51	3516.2	49	84.14	561.35
51	3460.2	80.6	2226.3	14:39:52	3529.3	50	85.45	681.32
52	3470.6	80.32	2225.1	14:39:53	3542.9	51	84.02	697.1
53	3479.8	80.36	2220.1	14:39:54	3555.8	52	83.59	712.71
54	3490.8	80.23	2229.6	14:39:55	3570.5	53	84.05	801.88
55	3500.1	80.29	2225.7	14:39:56	3584.6	54	83.77	806.44
56	3508.3	80.35	2223.3	14:39:57	3598.8	55	84.16	828.55
57	3516.1	80.35	2222.8	14:39:58	3612.9	56	82.21	824.74
58	3524.1	80.56	2221.3	14:39:59	3628.5	57	82.01	808.01
59	3533.4	80.81	2236.5	14:40:00	3642.7	58	81.79	870.46
60	3542.8	80.84	2231.1	14:40:01	3656.5	59	81.94	904.37
61	3552.7	80.61	2231.1	14:40:02	3669.9	60	80.24	827.76
62	3563.6	80.62	2226.4	14:40:03	3682.2	61	80.15	758.77

<b>63</b>	<b>3574.1</b>	<b>80.47</b>	<b>2235.5</b>	14:40:04	3693.9	<b>62</b>	81.73	770.19
<b>64</b>	<b>3585</b>	<b>80.37</b>	<b>2235.1</b>	14:40:05	3706.7	<b>63</b>	83.67	738.18
<b>65</b>	<b>3595</b>	<b>80.24</b>	<b>2232.2</b>	14:40:06	3718.6	<b>64</b>	82.85	675.12
<b>66</b>	<b>3605.9</b>	<b>80.06</b>	<b>2223.8</b>	14:40:07	3730.4	<b>65</b>	82.34	691.56
<b>67</b>	<b>3615</b>	<b>79.94</b>	<b>2219.8</b>	14:40:08	3741.2	<b>66</b>	82.55	753.97
<b>68</b>	<b>3624</b>	<b>80.14</b>	<b>2219.9</b>	14:40:09	3752.8	<b>67</b>	83.1	766.78
<b>69</b>	<b>3632.4</b>	<b>80.06</b>	<b>2219.2</b>	14:40:10	3764.3	<b>68</b>	83.07	719.66
<b>70</b>	<b>3640.5</b>	<b>80.15</b>	<b>2233.9</b>	14:40:11	3775.4	<b>69</b>	83.33	687.92
<b>71</b>	<b>3649.6</b>	<b>80.38</b>	<b>2222.7</b>	14:40:12	3787.2	<b>70</b>	83.51	674.9
<b>72</b>	<b>3658.2</b>	<b>80.52</b>	<b>2227.5</b>	14:40:13	3798.2	<b>71</b>	83.39	670.55
<b>73</b>	<b>3667.8</b>	<b>80.35</b>	<b>2226.6</b>	14:40:14	3811.6	<b>72</b>	82.85	648.02
<b>74</b>	<b>3678.9</b>	<b>80.4</b>	<b>2216.9</b>	14:40:15	3822.9	<b>73</b>	82.78	667.16
<b>75</b>	<b>3690.5</b>	<b>80.16</b>	<b>2226.7</b>	14:40:16	3834.1	<b>74</b>	82.62	671.82
<b>76</b>	<b>3703.4</b>	<b>80.2</b>	<b>2220.6</b>	14:40:17	3845.3	<b>75</b>	82.28	672.18
<b>77</b>	<b>3715.8</b>	<b>80.05</b>	<b>2227.5</b>	14:40:18	3855.9	<b>76</b>	81.84	669.39
<b>78</b>	<b>3729.8</b>	<b>79.17</b>	<b>2216.9</b>	14:40:19	3864.7	<b>77</b>	81.88	656.84



79	3751	79.15	2218.4	14:40:20	3870.8	78	81.64	587.47
80	3760	78.89	2220.3	14:40:21	3877.7	79	82.2	529.54
81	3767.3	79.1	2216.5	14:40:22	3884	80	82.71	481.18
82	3773.8	79.34	2214.9	14:40:23	3889.5	81	82.67	410.62
83	3780.3	79.53	2220.1	14:40:24	3895.2	82	82.9	371.86
84	3788.3	79.88	2226.9	14:40:25	3900.6	83	83.28	342.2
85	3796.5	80.07	2217	14:40:26	3906.5	84	83.47	339.91
86	3804.8	80.13	2232.9	14:40:27	3911.7	85	83.99	350.7
87	3814.8	80.43	2224.6	14:40:28	3917.3	86	83.76	337.13
88	3825.3	80.28	2221.6	14:40:29	3923.5	87	83.83	323.47
89	3834.8	80.25	2222	14:40:30	3929.8	88	83.74	315.33
90	3843.7	80.32	2220	14:40:31	3936.7	89	83.53	294.03
91	3853.1	80.42	2225.2	14:40:32	3945.1	90	84.1	338.71
92	3864	80.28	2222.4	14:40:33	3953.5	91	83.7	383.53
93	3874.5	80.02	2221.8	14:40:34	3963.3	92	83.69	446.72
94	3883.7	79.87	2227.4	14:40:35	3973.4	93	84.13	482.94
95	3891.2	79.93	2219.4	14:40:36	3984.1	94	83.95	523.76
96	3899.8	79.9	2225	14:40:37	3995.8	95	83.85	560.33
97	3907.8	79.94	2225.6			96	82.745104	541.97844
98	3915.7	80.05	2221.6			97		
99	3924.2	80.07	2222.4			98		
100	3934.5	80.24	2219.3			99		
101	3943.4	80.39	2225.3			100		
102	3951.8	80.59	2218			101		
103	3960.9	80.66	2221.2			102		
104	3970.8	80.59	2221.5			103		
105	3979.5	80.68	2222.4			104		
106	3987.6	80.49	2225.1			105		
107	3996	80.23	2224.3			106		
108	4005.2	80.16	2220.2			107		

80.288981 2228.0046

**108**

**109**

**110**

**111**

**112**

**113**

**114**

**115**

**116**

**117**

**118**

**119**

**120**

**121**

**122**

**123**

**124**



**125**

**126**

**127**

**128**

**129**

**130**

**131**

**132**

**133**

**134**

**135**

**136**

**137**

**138**

**139**

**140**

**141**

**142**

**143**

**144**

**145**

**146**

**147**

**148**

**149**

**150**

**151**

**152**

**153**

		Team 24 (both)						
Engine RPM	(Celsius)	hh:mm:ss	inch	ft msl		deg C	kt	rpm
		Lcl Time	BaroA	AltMSL	OAT		IAS	E1 RPM
2255.1	14.8							
2243.1	14.8	10:43:50	30.2	0	2995.7	11.2	93.95	2287.3
2241.4	14.8	10:43:52	30.2	1	3005.3	11.2	94.07	2288.6
2245.4	14.8	10:43:53	30.2	2	3014.7	11.2	93.1	2286.7
2246.3	14.8	10:43:53	30.2	3	3024.3	11.2	93.53	2288.1
2251.1	14.8	10:43:55	30.2	4	3033.8	11.2	94.33	2287.6
2236.3	14.8	10:43:56	30.2	5	3042.9	11.2	93.82	2285.1
2234.4	14.8	10:43:56	30.2	6	3051.3	11.2	92.84	2284.7
2240.2	14.8	10:43:57	30.2	7	3060.6	11.5	92.58	2284.6
2233	14.8	10:43:59	30.2	8	3070.5	11.5	93.4	2287.4
2232.3	14.8	10:44:00	30.2	9	3081	11.5	93.45	2287.4
2236	14.8	10:44:00	30.2	10	3090.5	11.5	93.38	2285
2228.8	14.8	10:44:01	30.2	11	3099.5	11.5	93.26	2288.3
2230.4	14.5	10:44:03	30.2	12	3108.8	11.5	93.11	2286.7
2235.3	14.5	10:44:04	30.2	13	3117.7	11.5	93.34	2286.5
2235	14.5	10:44:05	30.2	14	3126.6	11.5	93.81	2288.3
2235.7	14.5	10:44:05	30.2	15	3136	11.5	93.19	2290.8
2238.1	14.5	10:44:06	30.2	16	3145.6	11.5	93.29	2288
2252.5	14.5	10:44:08	30.2	17	3155.4	11.5	93.24	2287.2
2245.2	14.5	10:44:09	30.2	18	3164.6	11.5	92.79	2285.8
2242.1	14.5	10:44:09	30.2	19	3172.7	11.5	93.68	2290.1
2245.2	14.5	10:44:10	30.2	20	3182	11.5	94.61	2297.9
2250.3	14.5	10:44:12	30.2	21	3191.8	11.5	94.28	2294.9
2236.6	14.5	10:44:13	30.2	22	3202.2	11.5	94.81	2292.5
2250	14.5	10:44:14	30.2	23	3214.1	11.5	94.43	2293.3
2246.1	14.5	10:44:14	30.2	24	3226.6	11.5	93.85	2290.2
2245.5	14.2	10:44:15	30.2	25	3238.2	11.5	93.35	2288.6

2247.6	14.2	10:44:17	30.2	26	3248.7	11.5	92.93	2286.5
2229.7	14.2	10:44:18	30.2	27	3259	11.8	92.49	2283.7
2228.1	14.2	10:44:19	30.2	28	3268.8	11.8	92.12	2283.1
2222	14.2	10:44:19	30.2	29	3279.3	11.8	91.66	2280.7
2232.8	14.2	10:44:20	30.2	30	3289.8	11.8	91.06	2280.2
2227.3	14.2	10:44:21	30.2	31	3300.2	11.8	90.94	2277.3
2243.2	14.2	10:44:23	30.2	32	3310.5	11.8	90.64	2276.3
2235.3	14.2	10:44:24	30.2	33	3320.2	11.8	90.01	2274.7
2233.4	14.2	10:44:25	30.2	34	3328.8	11.8	89.57	2272.7
2232.3	14.2	10:44:25	30.2	35	3336	11.8	89.69	2273.5
2225.2	14.2	10:44:26	30.2	36	3342	11.8	90.11	2273.3
2231.7	14.2	10:44:27	30.2	37	3347.6	11.8	90.61	2275
2228.5	14.2	10:44:29	30.2	38	3352.6	11.8	91.02	2276.4
2225.9	14.2	10:44:30	30.2	39	3358	11.8	91.01	2276.4
2236.6	14.2	10:44:31	30.2	40	3363.5	11.8	91.38	2278.9
2233	14.2	10:44:31	30.2	41	3369.4	11.8	91.65	2279.1

2229.4	14.2	10:44:32	30.2	42	3375.6	11.8	91.6	2279.4
2226.3	14.2	10:44:33	30.2	43	3382.5	11.8	91.84	2279.9
2239.5	14	10:44:35	30.2	44	3389.6	11.8	91.87	2277.3
2231.3	14	10:44:36	30.2	45	3397.1	11.8	91.83	2280.3
2239.3	14	10:44:37	30.2	46	3404.8	11.8	91.64	2279.3
2239.3	14	10:44:38	30.2	47	3414	11.8	91.51	2280.9
2242.3	14	10:44:38	30.2	48	3422.9	12	91.69	2280.6
2241.2	14	10:44:39	30.2	49	3432.9	12	91.92	2281.2
2242	14	10:44:40	30.2	50	3442.6	12	91.92	2281.5
2235.8	14	10:44:41	30.2	51	3453.1	12	91.92	2279
2235.1	14	10:44:43	30.2	52	3463.1	12	92.03	2278.9
2225.9	14	10:44:44	30.2	53	3473	12	91.88	2280.7
2231.3	14	10:44:45	30.2	54	3482.5	12	91.73	2279
2242	13.8	10:44:46	30.2	55	3492.9	12	91.69	2278.8
2227.8	13.8	10:44:47	30.2	56	3502.7	12	91.74	2278.5
2227.6	13.8	10:44:47	30.2	57	3513.4	12	91.61	2278.5
2242	13.8	10:44:48	30.2	58	3523.4	12	91.92	2279.7
2223.1	13.8	10:44:49	30.2	59	3535.7	12	91.85	2278.2
2229.2	13.8	10:44:50	30.2	60	3546.8	12	91.5	2278.8
2229	13.8	10:44:51	30.2	61	3558.8	12	91.34	2275.5
2241	13.8	10:44:53	30.2	62	3569.6	12	91.12	2276
2227	13.8	10:44:54	30.2	63	3581.8	12	90.73	2275.3
2228.3	13.5	10:44:55	30.2	64	3594.1	12	90.41	2273.3
2228.1	13.5	10:44:56	30.2	65	3607.1	12	90.37	2273.7
2235.8	13.5	10:44:57	30.2	66	3618.3	12	90.21	2273.2
2233.2	13.5	10:44:58	30.2	67	3630.1	12	89.99	2270.5
2247.2	13.5	10:44:59	30.2	68	3640.4	12	89.99	2272.5
2254.8	13.5	10:44:59	30.2	69	3651.5	12	90.34	2273
2236.9	13.8	10:45:00	30.2	70	3661.2	11.8	90.74	2274.8
2235.6	13.5	10:45:01	30.2	71	3671.5	11.8	91.29	2277.6

2257.9	13.5	10:45:02	30.2	72	3681.1	11.8	91.2	2280.3
2247.7	13.8	10:45:03	30.2	73	3691.8	11.8	91.7	2279.5
2248.2	13.8	10:45:04	30.2	74	3702.6	11.8	91.45	2278.1
2255	13.8	10:45:05	30.2	75	3714.9	11.8	91.46	2278.4
2248.7	13.8	10:45:06	30.2	76	3726.2	11.8	91.32	2277.7
2239.3	13.8	10:45:07	30.2	77	3738.7	11.8	91.33	2278.1
2240.9	13.8	10:45:09	30.2	78	3750.3	11.8	91.26	2278.3
2253	13.8	10:45:10	30.2	79	3763.2	11.8	91.19	2279
2242.4	13.8	10:45:11	30.2	80	3775.2	11.8	90.99	2277.8
2234.6	13.8	10:45:12	30.2	81	3788.8	11.8	90.63	2276.9
2236.2	13.8	10:45:13	30.2	82	3801.2	11.8	90.48	2275.7
2238.7	13.5	10:45:14	30.2	83	3815	11.8	90.36	2272.3
2242.9	13.5	10:45:15	30.2	84	3826.9	11.8	90.1	2269.8
2239.8	13.5	10:45:16	30.2	85	3839.2	11.8	89.8	2266.7
2249.9	13.5	10:45:17	30.2	86	3849.4	11.8	89.59	2266.7



2253.8	13.5	10:45:18	30.2	87	3859.6	11.8	89.59	2266.2
2254.5	13.5	10:45:19	30.2	88	3867.9	11.8	89.56	2268.4
2257.1	13.5	10:45:20	30.2	89	3876.1	11.8	89.76	2269.1
2252.3	13.5	10:45:21	30.2	90	3883	11.5	90.17	2268.6
2252.9	13.5	10:45:22	30.2	91	3889.7	11.5	90.4	2272.2
2256.8	13.5	10:45:23	30.2	92	3895.4	11.5	90.83	2272.8
2252.4	13.5	10:45:24	30.2	93	3901.4	11.5	91.16	2276.7
2246.1	13.5	10:45:25	30.2	94	3906.8	11.5	91.61	2277.9
2256.5	13.5	10:45:26	30.2	95	3912.6	11.5	91.95	2278.5
2247.3	13.5	10:45:27	30.2	96	3918.8	11.5	92.2	2281.2
2246.8	13.5	10:45:28	30.2	97	3927	11.5	92.39	2279.7
2257.2	13.5	10:45:29	30.2	98	3934.7	11.5	92.35	2279.4
2239.647475	14.039394	10:45:30	30.2	99	3943	11.5	92.27	2282
2253.5	14.8	10:45:31	30.2	100	3950.5	11.5	92.3	2281
2249.5	14.8	10:45:32	30.2	101	3958.8	11.5	92.59	2280.8
2250.1	14.8	10:45:33	30.2	102	3966	11.5	92.97	2282.3
2250.9	14.8	10:45:34	30.2	103	3973.7	11.2	92.96	2285.8
2244.1	14.8	10:45:34	30.2	104	3980.6	11.2	92.82	2283.4
2243.8	14.8	10:45:35	30.2	105	3988.3	11.2	92.74	2283.1
2244.6	14.8	10:45:36	30.2	106	3995.2	11.2	92.64	2281.1
2250.2	14.8	10:45:37	30.2	107	4002.9	11.2	93.13	2282.4
2236.7	14.8						91.850463	2280.0296
2246.9	14.8	climb 2						
2245.7	14.8	10:50:38	30.2	0	2998.8	11.2	97.07	2315.9
2250.9	14.8	10:50:38	30.2	1	3011.9	11.2	95.94	2308
2239.7	14.5	10:50:39	30.2	2	3022.8	11.5	94.07	2299.8
2244.7	14.5	10:50:40	30.2	3	3030.2	11.5	92.05	2292.5
2252.8	14.5	10:50:42	30.2	4	3034.8	11.5	91.5	2288.1
2260	14.5	10:50:43	30.2	5	3041.5	11.8	95.25	2295.2
2246	14.5	10:50:43	30.2	6	3047.4	11.8	93.37	2299.2

2260.5	14.5	10:50:44	30.2	7	3052.6	11.8	90.66	2292.2
2255.5	14.5	10:50:45	30.2	8	3054.5	11.8	91.15	2288
2258.3	14.5	10:50:47	30.2	9	3057.7	11.8	90.21	2278.8
2253.8	14.5	10:50:48	30.2	10	3060.5	11.8	92.43	2280.2
2250.9	14.5	10:50:49	30.2	11	3065.7	11.8	90.34	2287.7
2259.4	14.5	10:50:49	30.2	12	3073.7	12	91.03	2284.5
2259.2	14.5	10:50:50	30.2	13	3081.8	12	88.92	2276.3
2249.2	14.5	10:50:51	30.2	14	3091.8	12	89	2276.4
2253.5	14.5	10:50:53	30.2	15	3102.4	12	88.67	2275
2246	14.5	10:50:54	30.2	16	3113.3	12	89.8	2277.6
2253.4	14.2	10:50:54	30.2	17	3125	12	88.95	2280.4
2252	14.2	10:50:55	30.2	18	3137.1	12	88.71	2276.1
2238.1	14.2	10:50:56	30.2	19	3148.3	12	87.91	2272.7
2248.3	14.2	10:50:58	30.2	20	3159	12	87.64	2272.4
2259.5	14.2	10:50:59	30.2	21	3169.3	12	87.4	2268.9

2255.1	14.2	10:51:00	30.2	22	3179	12	86.93	2268.6
2246.5	14.2	10:51:00	30.2	23	3188.3	12	87.03	2269.1
2240.9	14.2	10:51:01	30.2	24	3197	12	86.98	2269.2
2231	14.2	10:51:02	30.2	25	3205.3	12	86.94	2270.8
2241.6	14.5	10:51:03	30.2	26	3212.4	12	86.93	2269.5
2238.7	14.2	10:51:05	30.2	27	3218	12	86.66	2269.8
2228.7	14.5	10:51:06	30.2	28	3222.5	12	86.92	2268.2
2242.9	14.5	10:51:07	30.2	29	3226.5	12	87.14	2268.6
2240.9	14.5	10:51:07	30.2	30	3230.5	12	87.36	2271.3
2246.2	14.2	10:51:08	30.2	31	3234.1	12	87.8	2271.9
2243.4	14.2	10:51:09	30.2	32	3237	12	88.36	2271.6
2246.9	14.2	10:51:10	30.2	33	3240.1	12	88.67	2274.2
2247.1	14.2	10:51:12	30.2	34	3243.7	12	88.83	2275.1
2264.4	14.2	10:51:13	30.2	35	3247.7	12	89.16	2274.6
2246.3	14.2	10:51:14	30.2	36	3252.3	12	89.17	2277.3
2264.4	14	10:51:14	30.2	37	3257.5	12	89.2	2276.9
2261.2	14	10:51:15	30.2	38	3263.1	12	89.29	2275.8
2253.5	14	10:51:16	30.2	39	3268.6	12	89.36	2277.3
2250.3	14	10:51:17	30.2	40	3274.3	12.2	89.38	2275.8
2258.4	14	10:51:19	30.2	41	3280.1	12.2	89.66	2278.3
2251.8	14	10:51:20	30.2	42	3286.1	12	89.76	2277.3
2252.9	14	10:51:21	30.2	43	3292.3	12	89.86	2278.4
2244.4	14	10:51:22	30.2	44	3298.3	12	90.26	2279.3
2247.9	13.8	10:51:23	30.2	45	3304.5	12	90.27	2278.7
2244.2	13.8	10:51:23	30.2	46	3310.4	12	90.06	2277
2250.9	13.8	10:51:24	30.2	47	3316.3	12	89.84	2277.3
2239	13.8	10:51:25	30.2	48	3322.9	12	90	2277.5
2243.4	13.8	10:51:26	30.2	49	3329.9	12	90.1	2278.5
2232.1	13.8	10:51:28	30.2	50	3337.3	12	90.23	2280.7
2239.2	13.8	10:51:29	30.2	51	3344.3	12	90.41	2280

2231.8	13.8	10:51:30	30.2	52	3351	12	90.46	2281.6
2248	13.8	10:51:31	30.2	53	3357.6	12	90.3	2278.5
2259.5	13.8	10:51:32	30.2	54	3364.5	12	90.19	2279.9
2246.7	13.5	10:51:32	30.2	55	3371.3	12	90.14	2281.7
2252.4	13.5	10:51:33	30.2	56	3378.1	12	90.07	2278.3
2248.5	13.5	10:51:34	30.2	57	3384.7	12	90.08	2277.8
2253.9	13.5	10:51:35	30.2	58	3391.4	12	90.49	2279.7
2253.7	13.5	10:51:36	30.2	59	3397.8	12	90.4	2278.8
2256.3	13.5	10:51:37	30.2	60	3404.4	12	90.52	2278
2251.3	13.5	10:51:39	30.2	61	3411.2	12	90.61	2279.6
2257.8	13.5	10:51:40	30.2	62	3417.7	12	90.64	2278.6
2255	13.5	10:51:41	30.2	63	3424.1	12	90.64	2280.6
2253.5	13.8	10:51:42	30.2	64	3430.7	12	90.79	2282.7
2242	13.8	10:51:43	30.2	65	3437.2	12	90.78	2279
2238.9	13.8	10:51:44	30.2	66	3443.5	12	90.67	2279.9
2240.4	13.8	10:51:44	30.2	67	3449.8	12	90.68	2279.5

2245.9	13.8	10:51:45	30.2	68	3456	12	90.9	2282
2247.4	13.8	10:51:46	30.2	69	3462.2	12	90.77	2281.5
2243	13.8	10:51:47	30.2	70	3468.6	12	90.59	2279.8
2244.7	13.8	10:51:48	30.2	71	3475.1	12	90.8	2281
2245.7	13.8	10:51:49	30.2	72	3482	12	90.94	2278.9
2242.2	13.8	10:51:50	30.2	73	3489.1	12	90.9	2281
2257.3	13.8	10:51:51	30.2	74	3496.6	12	90.89	2279.4
2245.8	13.8	10:51:53	30.2	75	3504.4	12	90.88	2280.2
2251.3	13.8	10:51:54	30.2	76	3512.3	12	90.65	2279.5
2250.9	13.8	10:51:55	30.2	77	3520.5	12	90.56	2280.7
2250	13.8	10:51:56	30.2	78	3529.1	12	90.57	2278.6
2257	13.8	10:51:57	30.2	79	3538.3	12	90.72	2276.1
2263.6	13.8	10:51:58	30.2	80	3548	12	90.58	2278.7
2252	13.8	10:51:59	30.2	81	3558.1	12	90.45	2278
2262.1	13.8	10:52:00	30.2	82	3568.5	12	90.31	2276
2251.9	13.8	10:52:01	30.2	83	3578.8	12	90.08	2276
2258.3	13.8	10:52:02	30.2	84	3589.1	12	89.87	2276.9
2247.8	13.8	10:52:02	30.2	85	3599.3	12	89.72	2276.3
2249.046875	14.11875	10:52:03	30.2	86	3609.4	12	89.59	2274.1
		10:52:04	30.2	87	3619.2	12	89.39	2271.6
		10:52:05	30.2	88	3628.6	12	89.17	2273.3
		10:52:06	30.2	89	3637.8	11.8	89.23	2270.9
		10:52:07	30.2	90	3646.6	11.8	89.25	2271.3
		10:52:08	30.2	91	3653.9	11.8	89.44	2272.4
		10:52:09	30.2	92	3659.8	11.8	89.81	2271.4
		10:52:10	30.2	93	3665.6	11.8	89.85	2271
		10:52:11	30.2	94	3672	11.8	90.18	2275.5
		10:52:12	30.2	95	3678.9	11.8	90.49	2276.2
		10:52:13	30.2	96	3686.3	11.8	90.59	2277.8
		10:52:14	30.2	97	3694.2	11.8	90.69	2275.8

10:52:15	30.2	98	3702.2	11.8	90.51	2277.1
10:52:16	30.2	99	3709.7	11.8	90.51	2276.9
10:52:17	30.2	100	3716.6	11.8	90.81	2277.8
10:52:18	30.2	101	3722.9	11.8	90.83	2276.4
10:52:19	30.2	102	3728.5	11.8	90.89	2275.7
10:52:20	30.2	103	3734.6	11.8	91.15	2276.6
10:52:21	30.2	104	3741.6	11.8	91.25	2277.1
10:52:22	30.2	105	3749.3	11.8	91.18	2279.9
10:52:23	30.2	106	3757.6	11.8	91.15	2278.3
10:52:24	30.2	107	3766.2	11.8	91.02	2279.3
10:52:25	30.2	108	3775.4	11.8	90.94	2281
10:52:26	30.2	109	3785	11.8	90.94	2279.2
10:52:27	30.2	110	3794.9	11.8	90.78	2275.9
10:52:28	30.2	111	3805.1	11.8	90.27	2275.6
10:52:29	30.2	112	3815.5	11.8	89.79	2273.7
10:52:30	30.2	113	3825.3	11.8	89.33	2272.6
10:52:31	30.2	114	3834.6	11.8	89.35	2272.5

10:52:32	30.2	115	3842.5	11.8	89.31	2269.9
10:52:33	30.2	116	3849.1	11.8	89.1	2269.1
10:52:34	30.2	117	3854.7	11.8	89.36	2266.6
10:52:35	30.2	118	3860	11.5	89.51	2267.3
10:52:36	30.2	119	3865.3	11.5	89.42	2266.8
10:52:37	30.2	120	3870.8	11.5	89.54	2270.4
10:52:38	30.2	121	3876.9	11.5	89.82	2273.3
10:52:39	30.2	122	3883.2	11.5	89.67	2273.4
10:52:40	30.2	123	3889.6	11.5	89.92	2272
10:52:41	30.2	124	3896.3	11.5	89.91	2273.3
10:52:43	30.2	125	3903	11.5	90.09	2269.2
10:52:44	30.2	126	3909.8	11.5	90.01	2273.4
10:52:45	30.2	127	3916.7	11.5	89.96	2272.7
10:52:46	30.2	128	3923.6	11.5	89.92	2270.3
10:52:47	30.2	129	3930.5	11.5	90.05	2270.7
10:52:48	30.2	130	3937.5	11.5	89.9	2271.3
10:52:49	30.2	131	3944.5	11.5	89.86	2271.5
10:52:50	30.2	132	3951.6	11.5	89.82	2268.1
10:52:51	30.2	133	3958.6	11.5	89.94	2270.2
10:52:52	30.2	134	3965.8	11.5	90.02	2269.6
10:52:53	30.2	135	3973.3	11.5	90.23	2272.2
10:52:53	30.2	136	3981.2	11.5	90.24	2272.5
10:52:54	30.2	137	3989.2	11.5	90.19	2272.9
10:52:55	30.2	138	3997.3	11.2	90.23	2272.8
10:52:56	30.2	139	4002.2	11.2	90.65	2273.1
10:52:57	30.2	140	4002.7	11.2	91.36	2273.7
10:52:58	30.2	141	3999.8	11.2	92.29	2277.9
					90.077254	2276.9746

Team 27 (both)

Time [s]	Lcl Time [ hh:mm:ss]	Altitude [ft]	BaroA [inch MSL	Altitud	OAT [deg C	Indicated A	E1 RPM [rp	
0	12:21:53	0	2970.2	30.17	3012.8	13	68.9	2395
1	12:21:54	1	2982.2	30.17	3024.1	13	68.68	2398.6
2	12:21:55	2	2995.2	30.17	3034.6	13	71.89	2402.4
3	12:21:56	3	3006.2	30.17	3043.4	13	73.81	2411.8
4	12:21:57	4	3007.2	30.17	3048.8	13	69.85	2401.8
5	12:21:58	5	3009.2	30.17	3059.1	12.8	77.11	2426.6
6	12:21:59	6	3027.2	30.17	3071.4	12.8	75.88	2424.6
7	12:22:00	7	3043.2	30.17	3083.5	12.8	72.02	2411.3
8	12:22:01	8	3053.2	30.17	3092.9	12.8	71.16	2407
9	12:22:02	9	3054.2	30.17	3105.2	12.8	73.74	2416.7
10	12:22:03	10	3078.2	30.17	3116.6	12.8	75.5	2426.3
11	12:22:04	11	3091.2	30.17	3125.3	12.8	75.16	2413.8
12	12:22:05	12	3095.2	30.17	3134.5	12.8	72.57	2412
13	12:22:06	13	3102.2	30.17	3143.1	12.8	73.53	2411.4
14	12:22:07	14	3109.2	30.17	3152.5	12.8	72.64	2406.4
15	12:22:08	15	3126.2	30.17	3160	12.8	73.86	2412.1
16	12:22:09	16	3132.2	30.17	3162.6	12.8	70.62	2400.6
17	12:22:10	17	3136.2	30.17	3164.6	12.8	74.9	2402
18	12:22:11	18	3136.2	30.17	3166.5	12.5	72.54	2410.4
19	12:22:12	19	3134.2	30.17	3169.9	12.5	75.17	2412.1
20	12:22:13	20	3136.2	30.17	3176.6	12.5	75.11	2418.6
21	12:22:14	21	3148.2	30.17	3186.1	12.5	77.1	2422.5
22	12:22:15	22	3156.2	30.17	3198	12.5	75.92	2426
23	12:22:16	23	3167.2	30.17	3209.7	12.5	75.6	2414
24	12:22:17	24	3180.2	30.17	3221.7	12.5	73.76	2413.7
25	12:22:18	25	3194.2	30.17	3232.4	12.5	71.68	2404.3
26	12:22:19	26	3202.2	30.17	3239.8	12.5	71.24	2405.6
27	12:22:20	27	3210.2	30.17	3243.9	12.5	70.64	2410.5



28	12:22:21	28	3214.2	30.17	3248.2	12.5	71.17	2401.2
29	12:22:22	29	3219.2	30.17	3254.9	12.5	71.22	2395.5
30	12:22:23	30	3223.2	30.17	3260.1	12.2	69.54	2391.6
31	12:22:24	31	3225.2	30.17	3264.7	12.2	71.83	2413.4
32	12:22:25	32	3234.2	30.17	3270.8	12.2	74.36	2408.5
33	12:22:26	33	3244.2	30.17	3275.3	12.2	74.11	2413.6
34	12:22:27	34	3243.2	30.17	3282.5	12.2	73.56	2413.1
35	12:22:28	35	3249.2	30.17	3290.7	12.2	72.03	2404.7
36	12:22:29	36	3264.2	30.17	3298.2	12.2	73.79	2413.3
37	12:22:30	37	3266.2	30.17	3306.1	12.2	72.64	2408.6
38	12:22:31	38	3273.2	30.17	3313.8	12.2	72.21	2408.2
39	12:22:32	39	3283.2	30.17	3319.6	12.2	71.74	2407.3
40	12:22:33	40	3285.2	30.17	3322.8	12.2	71.01	2399.2
41	12:22:34	41	3285.2	30.17	3325.9	12.2	72.12	2405.1
42	12:22:35	42	3295.2	30.17	3326.8	12.2	73.69	2406.5

43	12:22:36	43	3299.2	30.17	3326.2	12.2	75.01	2411.5
44	12:22:37	44	3294.2	30.17	3323.5	12.2	73.29	2416.1
45	12:22:38	45	3289.2	30.17	3322	12.2	73.39	2408
46	12:22:39	46	3289.2	30.17	3320.7	12.2	75.02	2411.4
47	12:22:40	47	3285.2	30.17	3320.4	12.2	74.92	2424.6
48	12:22:41	48	3287.2	30.17	3321.7	12.2	75.19	2424.9
49	12:22:42	49	3290.2	30.17	3322.7	12.2	75.75	2420.4
50	12:22:43	50	3290.2	30.17	3324.5	12.2	76.54	2422.1
51	12:22:44	51	3291.2	30.17	3327.5	12.2	76.45	2422.3
52	12:22:45	52	3297.2	30.17	3332.2	12.5	77.87	2427.9
53	12:22:46	53	3303.2	30.17	3339.2	12.5	78.16	2432.5
54	12:22:47	54	3308.2	30.17	3346.6	12.5	77.42	2425.2
55	12:22:48	55	3316.2	30.17	3355.3	12.5	77.93	2432.1
56	12:22:49	56	3322.2	30.17	3364.7	12.5	76.88	2431.6
57	12:22:50	57	3332.2	30.17	3376	12.5	76.57	2427.4
58	12:22:51	58	3347.2	30.17	3387.5	12.8	77.35	2425.6
59	12:22:52	59	3360.2	30.17	3399.9	12.8	76.97	2425
60	12:22:53	60	3370.2	30.17	3413.6	12.8	76.52	2426.7
61	12:22:54	61	3383.2	30.17	3427.2	12.8	76.32	2422.7
62	12:22:55	62	3396.2	30.17	3441.1	12.8	75.89	2417.9
63	12:22:56	63	3410.2	30.17	3454.3	12.8	75.03	2424.4
64	12:22:57	64	3424.2	30.17	3467.1	13	74.91	2424.4
65	12:22:58	65	3438.2	30.17	3480.2	13	75.68	2417.7
66	12:22:59	66	3451.2	30.17	3493.4	13	76.64	2418.8
67	12:23:00	67	3464.2	30.17	3508.3	13	76.52	2424.1
68	12:23:01	68	3480.2	30.17	3524.2	13	77.21	2420.7
69	12:23:02	69	3491.2	30.17	3542.1	13	76.52	2422.1
70	12:23:03	70	3518.2	30.17	3556.3	13	78.63	2421.8
71	12:23:04	71	3529.2	30.17	3568.8	13	76.71	2419
72	12:23:05	72	3538.2	30.17	3581.5	12.8	75.45	2413.3

73	12:23:06	73	3555.2	30.17	3588	12.8	74.29	2404
74	12:23:07	74	3553.2	30.17	3591.8	12.8	72.6	2401.3
75	12:23:08	75	3554.2	30.17	3595.6	12.8	71.48	2402.8
76	12:23:09	76	3559.2	30.17	3599	12.8	71.88	2406.4
77	12:23:10	77	3561.2	30.17	3601.9	12.5	71.93	2404.6
78	12:23:11	78	3560.2	30.17	3602.9	12.5	71.95	2405
79	12:23:12	79	3560.2	30.17	3603.7	12.5	72.35	2404
80	12:23:13	80	3563.2	30.17	3604.4	12.5	72.59	2402.5
81	12:23:14	81	3565.2	30.17	3605.8	12.5	73	2404.6
82	12:23:15	82	3565.2	30.17	3607.4	12.5	72.89	2407.1
83	12:23:16	83	3567.2	30.17	3609.5	12.5	73.82	2419.3
84	12:23:17	84	3572.2	30.17	3614.1	12.5	73.92	2413.3
85	12:23:18	85	3577.2	30.17	3620.8	12.5	74.42	2411.6
86	12:23:19	86	3583.2	30.17	3628.8	12.5	73.53	2405.9
87	12:23:20	87	3592.2	30.17	3636.2	12.5	73.61	2411.5

88	12:23:21	88	3599.2	30.17	3644.5	12.5	73.56	2410.5
89	12:23:22	89	3608.2	30.17	3654	12.5	73.84	2407.9
90	12:23:23	90	3618.2	30.17	3663.5	12.5	73.41	2404
91	12:23:24	91	3626.2	30.17	3673.1	12.5	72.72	2413
92	12:23:25	92	3635.2	30.17	3682.8	12.5	72.1	2407.1
93	12:23:26	93	3647.2	30.17	3692.9	12.5	72.95	2406.1
94	12:23:27	94	3655.2	30.17	3702.5	12.5	71.96	2409.2
95	12:23:28	95	3664.2	30.17	3711.1	12.5	72.5	2399.2
96	12:23:29	96	3673.2	30.17	3719.5	12.5	72.73	2400.3
97	12:23:30	97	3683.2	30.17	3728	12.5	73.45	2405.9
98	12:23:31	98	3693.2	30.17	3736.2	12.5	73.07	2403.5
99	12:23:32	99	3700.2	30.17	3743.1	12.5	73.89	2400
100	12:23:33	100	3705.2	30.17	3749.7	12.5	74.79	2410.7
101	12:23:34	101	3716.2	30.17	3756.4	12.5	74.72	2409.3
102	12:23:35	102	3719.2	30.17	3761.7	12.5	73.86	2404.6
103	12:23:36	103	3729.2	30.17	3767.9	12.2	74.64	2402.9
104	12:23:37	104	3738.2	30.17	3772.2	12.2	74.44	2407.4
105	12:23:38	105	3737.2	30.17	3775.9	12.2	73.29	2407.1
106	12:23:39	106	3733.2	30.17	3779	12.2	73.5	2405.9
107	12:23:40	107	3734.2	30.17	3782.8	12.2	73.79	2409.9
108	12:23:41	108	3741.2	30.17	3787.1	12.2	74.28	2409
109	12:23:42	109	3747.2	30.17	3791.2	12.2	74.91	2413.7
110	12:23:43	110	3749.2	30.17	3795.5	12.2	74.7	2416.6
111	12:23:44	111	3751.2	30.17	3799.5	12.2	74.24	2416.7
112	12:23:45	112	3758.2	30.17	3804.3	12.2	74.93	2416.5
113	12:23:46	113	3765.2	30.17	3809.5	12.2	74.87	2409.9
114	12:23:47	114	3769.2	30.17	3814.6	12.2	74.63	2407.1
115	12:23:48	115	3771.2	30.17	3820.8	12.2	74.77	2415.9
116	12:23:49	116	3782.2	30.17	3827.9	12.2	74.59	2412.4
117	12:23:50	117	3790.2	30.17	3835.2	12.2	74.43	2407.9

118	12:23:51	118	3793.2	30.17	3842.8	12.2	74.73	2412.9
119	12:23:52	119	3799.2	30.17	3850.3	12.2	74.18	2408.3
120	12:23:53	120	3809.2	30.17	3859	12.2	76.16	2410

climb 2

74.026694 2412.0281

Time [s]	Lcl Time [ hh:mm:ss]	Altitude [ft]	BaroA [inch MSL	Altitud	OAT [deg C	Indicated	A E1	RPM [rp
0	12:31:03	0	2956.2	30.17	3001.8	13.2	71.44	2434.3
1	12:31:04	1	2972.2	30.17	3012.2	13.2	73.38	2418.7
2	12:31:05	2	2982.2	30.17	3024.5	13.2	72.23	2416.6
3	12:31:06	3	2996.2	30.17	3038.3	13.2	71.09	2415.9
4	12:31:07	4	3009.2	30.17	3050.9	13.2	73.48	2416.2
5	12:31:08	5	3013.2	30.17	3063.7	13.2	71.79	2413.9
6	12:31:09	6	3030.2	30.17	3076	13.2	72.98	2417.3
7	12:31:10	7	3044.2	30.17	3089.9	13.2	72.32	2412.9
8	12:31:11	8	3059.2	30.17	3102.9	13	71.93	2416.7
9	12:31:12	9	3074.2	30.17	3114.3	13	71.27	2415.3

10	12:31:13	10	3085.2	30.17	3124.5	13	71.76	2405.8
11	12:31:14	11	3097.2	30.17	3135	13	73.18	2410.7
12	12:31:15	12	3107.2	30.17	3145.7	13	73.88	2413.4
13	12:31:16	13	3115.2	30.17	3153.3	13	74.04	2424.1
14	12:31:17	14	3120.2	30.17	3162.5	13	75.11	2422.1
15	12:31:18	15	3131.2	30.17	3173.2	13	76.5	2430.3
16	12:31:19	16	3143.2	30.17	3185	13	75.69	2425.6
17	12:31:20	17	3155.2	30.17	3198	12.8	76.31	2435.6
18	12:31:21	18	3155.2	30.17	3209.7	12.8	73.49	2429.6
19	12:31:22	19	3165.2	30.17	3224.9	12.8	74.91	2430.3
20	12:31:23	20	3187.2	30.17	3240.4	12.8	74.79	2434.3
21	12:31:24	21	3205.2	30.17	3254.5	12.8	75.55	2430.7
22	12:31:25	22	3218.2	30.17	3267.8	12.8	75.83	2425.7
23	12:31:26	23	3229.2	30.17	3280.8	12.8	75.61	2431.8
24	12:31:27	24	3239.2	30.17	3294.6	12.8	75.52	2433.1
25	12:31:28	25	3254.2	30.17	3307.6	12.8	76.43	2436
26	12:31:29	26	3268.2	30.17	3321.1	12.8	76.36	2435.1
27	12:31:30	27	3282.2	30.17	3335.2	12.8	76.68	2444.8
28	12:31:31	28	3296.2	30.17	3350.3	12.8	77.2	2447.5
29	12:31:32	29	3309.2	30.17	3365.2	12.8	76.59	2443.7
30	12:31:33	30	3326.2	30.17	3380.2	12.8	76.24	2437
31	12:31:34	31	3341.2	30.17	3396.6	12.8	75.54	2442.3
32	12:31:35	32	3357.2	30.17	3412.4	13	75.37	2432
33	12:31:36	33	3374.2	30.17	3428.1	13	74.63	2434.9
34	12:31:37	34	3390.2	30.17	3442.7	13	74.16	2426
35	12:31:38	35	3403.2	30.17	3456.6	13	73.69	2427.7
36	12:31:39	36	3417.2	30.17	3470.4	13	73.93	2414.6
37	12:31:40	37	3431.2	30.17	3482.5	13	73.56	2423.4
38	12:31:41	38	3444.2	30.17	3494.6	13	73.52	2415.5
39	12:31:42	39	3456.2	30.17	3506.3	13	73.77	2417.9

40	12:31:43	40	3466.2	30.17	3516.8	13	73.2	2424.8
41	12:31:44	41	3477.2	30.17	3526.9	13	73.04	2413.7
42	12:31:45	42	3486.2	30.17	3535.7	13	72.88	2413.6
43	12:31:46	43	3495.2	30.17	3544.6	13.2	72.77	2412.7
44	12:31:47	44	3503.2	30.17	3552.6	13.2	73.38	2418.5
45	12:31:48	45	3511.2	30.17	3560.4	13.2	74.02	2417.3
46	12:31:49	46	3517.2	30.17	3570.4	13.2	74.52	2428.2
47	12:31:50	47	3530.2	30.17	3582.2	13	73.99	2418.7
48	12:31:51	48	3542.2	30.17	3592.5	13	73.95	2415.1
49	12:31:52	49	3551.2	30.17	3600.4	13	74.02	2423.3
50	12:31:53	50	3557.2	30.17	3608.9	13	74.13	2418.1
51	12:31:54	51	3565.2	30.17	3617.9	13	73.77	2420.6
52	12:31:55	52	3577.2	30.17	3626.9	13	74.3	2420.8
53	12:31:56	53	3587.2	30.17	3635.4	13	74.43	2420.8
54	12:31:57	54	3595.2	30.17	3644.4	13	74.2	2420.8
55	12:31:58	55	3604.2	30.17	3654.6	13	74.54	2425.7

56	12:31:59	56	3614.2	30.17	3664	13	74.4	2422.4
57	12:32:00	57	3622.2	30.17	3673.4	13	74.12	2414.1
58	12:32:01	58	3631.2	30.17	3682.6	13	74.07	2416.7
59	12:32:02	59	3641.2	30.17	3691.5	12.8	73.84	2412.7
60	12:32:03	60	3650.2	30.17	3699.9	12.8	73.79	2413.8
61	12:32:04	61	3659.2	30.17	3707.3	12.8	74.12	2415.5
62	12:32:05	62	3667.2	30.17	3715.1	12.8	74.34	2417.5
63	12:32:06	63	3674.2	30.17	3723.7	12.8	74.73	2426.7
64	12:32:07	64	3682.2	30.17	3733	12.8	74.9	2423.8
65	12:32:08	65	3690.2	30.17	3742.6	12.8	74.54	2416.1
66	12:32:09	66	3698.2	30.17	3752.3	12.8	73.68	2424.4
67	12:32:10	67	3709.2	30.17	3762.6	12.8	73.67	2417.5
68	12:32:11	68	3719.2	30.17	3771.8	12.8	73.54	2418.6
69	12:32:12	69	3730.2	30.17	3780.7	12.8	74.32	2420.9
70	12:32:13	70	3739.2	30.17	3789	12.5	74.43	2426.9
71	12:32:14	71	3745.2	30.17	3798.1	12.5	74.29	2420.9
72	12:32:15	72	3751.2	30.17	3808.1	12.5	73.96	2413.5
73	12:32:16	73	3762.2	30.17	3818.1	12.5	74.25	2416.4
74	12:32:17	74	3774.2	30.17	3829.3	12.5	74.18	2420.9
75	12:32:18	75	3787.2	30.17	3840.5	12.5	74.04	2420.1
76	12:32:19	76	3798.2	30.17	3851	12.5	74.21	2415.3
77	12:32:20	77	3807.2	30.17	3860.6	12.5	74.06	2416.5
78	12:32:21	78	3816.2	30.17	3869.8	12.5	73.87	2421.3
79	12:32:22	79	3824.2	30.17	3879.3	12.5	73.57	2412.6
80	12:32:23	80	3834.2	30.17	3888.5	12.5	73.81	2412.2
81	12:32:24	81	3844.2	30.17	3897.4	12.5	74.16	2417.1
82	12:32:25	82	3852.2	30.17	3905.9	12.5	73.99	2413.9
83	12:32:26	83	3860.2	30.17	3915.1	12.5	73.7	2419.5
84	12:32:27	84	3873.2	30.17	3924.5	12.5	74.78	2419.6
85	12:32:28	85	3880.2	30.17	3933.1	12.2	74.27	2420.7
86	12:32:29	86	3886.2	30.17	3941.3	12.2	73.72	2413.1



87	12:32:30	87	3894.2	30.17	3949.2	12.2	73.57	2417.7
88	12:32:31	88	3904.2	30.17	3956.4	12.2	74	2422.8
89	12:32:32	89	3910.2	30.17	3963.2	12.2	74.5	2419.8
90	12:32:33	90	3919.2	30.17	3970.7	12.2	75.22	2420.4
91	12:32:34	91	3927.2	30.17	3978.5	12.2	75.65	2421.6
92	12:32:35	92	3935.2	30.17	3987.2	12.2	76.15	2426.6
93	12:32:36	93	3943.2	30.17	3996.6	12.2	76.02	2421
94	12:32:37	94	3952.2	30.17	4006.7	12.2	75.75	2424.3
95	12:32:38	95	3963.2	30.17	4017.3	12.2	76.14	2423.8
96	12:32:39	96	3973.2	30.17	4028.9	12.2	75.48	2427.9
97	12:32:40	97	3986.2	30.17	4040.4	12.2	76.31	2421.7
98	12:32:41	98	3997.2	30.17	4051.9	12.2	75.99	2421.6
99	12:32:42	99	4007.2	30.17	4063.8	12	75.92	2419.3
100	12:32:43	100	4020.2	30.17	4076.1	12	76	2420.9
101	12:32:44	101	4032.2	30.17	4088.7	12	75.99	2429.6
102	12:32:45	102	4044.2	30.17	4100.8	12	75.84	2419.9

103	12:32:46	103	4056.2	30.17	4113.4	12	75.82	2419.3
104	12:32:47	104	4068.2	30.17	4126.1	12	75.94	2421.3
105	12:32:48	105	4081.2	30.17	4139.2	12	75.83	2426.3
106	12:32:49	106	4096.2	30.17	4151.8	12	76.1	2429.6
107	12:32:50	107	4107.2	30.17	4162.9	12	76.55	2423.9
108	12:32:51	108	4117.2	30.17	4174.2	12	76.23	2424.5
109	12:32:52	109	4125.2	30.17	4185.2	12	76.02	2432.2
110	12:32:53	110	4135.2	30.17	4196.9	12	75.91	2430.7
111	12:32:54	111	4150.2	30.17	4208.9	12	76.47	2424.5
112	12:32:55	112	4163.2	30.17	4221.2	12	76.44	2422.9
113	12:32:56	113	4173.2	30.17	4234.4	12	76.57	2436.8
114	12:32:57	114	4187.2	30.17	4246.9	12	76.91	2427.1
115	12:32:58	115	4199.2	30.17	4258.2	12	76.79	2425.1
116	12:32:59	116	4211.2	30.17	4270.2	12	76.78	2429.7
117	12:33:00	117	4223.2	30.17	4282	12	76.46	2420.1
118	12:33:01	118	4235.2	30.17	4293.6	12	76.35	2430.1
119	12:33:02	119	4246.2	30.17	4304.4	12	76.37	2421.8
120	12:33:03	120	4257.2	30.17	4315.5	12	76.39	2423

121

74.650413 2422.6529

122

123

124

125

126

127

128

129

130

131

## Team 28 (both)

TAS [kt]	Time Elapsed (sec)		Altitude (ft)	Vertical Vel	Fuel Flow (	Engine RPM
72	1160	0	2992.9	134.29	9.93	2197.7
72	1162	1	3003	171.68	9.92	2214.2
75	1163	2	3012.6	208.72	9.87	2215.8
77	1164	3	3021.4	386.8	10.06	2217.3
73	1165	4	3030.5	434.79	9.94	2218.2
81	1166	5	3039.1	467.39	9.96	2227.2
80	1167	6	3048.8	474	9.94	2230.6
76	1168	7	3059.3	532.19	9.94	2222
75	1169	8	3068.7	654.08	9.98	2230.5
77	1170	9	3078.5	566.81	10.11	2222.3
79	1171	10	3088.4	451.24	9.86	2224.6
79	1173	11	3102.1	556.32	9.87	2210.2
76	1174	12	3106	532.46	9.82	2207.9
77	1175	13	3110.1	304.27	9.8	2199.7
76	1176	14	3115.9	329.74	9.76	2199
78	1177	15	3121.1	371.17	9.9	2198
74	1178	16	3126	298.47	9.91	2196
79	1179	17	3129.2	199.81	9.72	2195.9
76	1180	18	3135.6	211.6	9.87	2183.4
79	1181	19	3142.9	361.64	9.85	2186.9
79	1182	20	3151.1	372.65	9.94	2194.8
81	1183	21	3161.6	356.24	9.97	2189.6
80	1184	22	3171.6	538.96	9.85	2194.4
79	1185	23	3182.7	613.86	9.67	2198.2
78	1186	24	3195.9	648.28	9.82	2206.8
75	1187	25	3205.2	747.36	9.94	2204.5
75	1188	26	3212.6	665.66	9.79	2203
74	1189	27	3218.9	565.27	9.98	2201.9
75	1190	28	3225.3	417.88	9.74	2198.9

75	1191	29	3228.4	401.28	9.79	2200.3
73	1193	30	3231.7	254.92	9.84	2202.4
75	1194	31	3234.3	165.55	9.85	2203.5
78	1195	32	3239.4	129.57	9.89	2201.9
78	1196	33	3244.6	17.13	9.89	2208.4
77	1197	34	3251.3	246.44	9.83	2211
76	1198	35	3257.2	422.15	9.81	2188.1
78	1199	36	3258.5	509.73	9.69	2179.2
76	1200	37	3258	214.53	9.82	2170.2
76	1201	38	3257.5	20.88	9.9	2163.2
76	1202	39	3256.9	31.1	9.81	2173.5
75	1203	40	3259.4	-119.63	9.69	2175
76	1204	41	3262.9	-37.4	9.78	2178.4
78	1205	42	3266.5	168.02	9.7	2173.2

79	1206	43	3270.6	236.68	9.7	2177.7
77	1207	44	3275.5	210.94	9.77	2173
77	1208	45	3279.2	305.32	9.71	2166.6
79	1209	46	3283.7	227.88	9.7	2175
79	1210	47	3287.3	222.91	9.76	2172
79	1211	48	3293	241.35	9.83	2177.1
80	1212	49	3297.9	278.79	9.77	2180.5
81	1213	50	3301.3	261.05	9.89	2189.2
80	1214	51	3305.5	266.36	9.71	2195.7
82	1215	52	3313.2	260.62	9.77	2197.9
82	1216	53	3320.1	491.93	9.79	2198.3
82	1217	54	3326.9	302.64	9.79	2200.9
82	1218	55	3334.3	362.81	9.9	2204.6
81	1219	56	3339.7	436.71	9.81	2209.2
81	1220	57	3344.4	415.78	9.68	2201
82	1221	58	3344.3	561.19	9.72	2192.9
81	1222	59	3338.6	-10.64	9.82	2190.4
81	1223	60	3334.9	-267.76	9.68	2187.3
81	1224	61	3331.6	-209.74	9.65	2181.1
80	1225	62	3328.2	-177.94	9.7	2177.4
79	1226	63	3323.1	-41.65	9.64	2182.4
79	1227	64	3321.3	-230.96	9.7	2194.2
80	1229	65	3327.3	-34.46	9.7	2192.8
81	1230	66	3332.1	8.6	9.82	2194.1
81	1231	67	3335.5	105.02	9.81	2204.6
82	1232	68	3337.9	285.71	9.75	2213.7
81	1233	69	3342.7	290.7	9.75	2217.2
83	1234	70	3346.4	259.14	9.86	2231.9
81	1235	71	3352.1	284.84	9.87	2230.9
80	1236	72	3354.5	336.78	9.89	2239.9

79	1237	73	3357.7	286.4	9.83	2243
77	1238	74	3360.7	376.93	9.74	2243.3
76	1239	75	3364.2	-66.54	9.86	2224.5
76	1240	76	3368.3	21.14	9.65	2221.1
76	1241	77	3373.7	258.97	9.88	2223.8
76	1242	78	3381.7	261.14	9.83	2228.3
77	1243	79	3394.4	395.61	9.76	2248.1
77	1244	80	3408.4	508.29	9.88	2242.5
77	1245	81	3420.7	754.28	9.81	2240.1
77	1246	82	3433.9	786.42	9.8	2233.4
78	1247	83	3445.4	786.07	9.69	2225.8
78	1248	84	3453.9	714.17	9.76	2226.5
79	1249	85	3461.4	613.13	9.7	2221.7
78	1250	86	3468.2	521.19	9.63	2209.7
78	1251	87	3474.4	460.02	9.72	2199.4

78	1252	88	3483.5	315.37	9.62	2195.7
78	1253	89	3485.6	521.4	9.62	2180.8
78	1254	90	3485	241.04	9.67	2172.2
77	1255	91	3482.8	77.01	9.4	2169.4
76	1256	92	3479.5	-20.62	9.57	2170.6
77	1257	93	3475.4	-36.37	9.55	2170.4
76	1258	94	3475.9	-167.8	9.71	2171.4
77	1259	95	3478.2	-150.52	9.62	2173.6
77	1260	96	3480.9	-15.99	9.71	2178.3
78	1261	97	3484.5	133.2	9.58	2179.3
77	1262	98	3490.6	203.19	9.55	2179.9
78	1263	99	3496.5	114.96	9.75	2187.2
79	1264	100	3500.8	190.18	9.7	2185.6
79	1265	101	3506.8	248.8	9.66	2179.3
78	1266	102	3511.2	385.22	9.66	2155.2
79	1268	103	3500.8	-69.08	9.53	2153.3
79	1270	104	3498.6	8.42	9.5	2150.6
78	1271	105	3505.6	-39.07	9.7	2163.1
78	1272	106	3511.3	-62.07	9.69	2169.4
78	1273	107	3517.5	193.81	9.72	2170.2
79	1274	108	3521.2	394.05	9.6	2164.3
79	1275	109	3521.7	459.33	9.6	2174.3
79	1276	110	3522.6	300.78	9.66	2176.3
79	1277	111	3523	-38.53	9.83	2179
80	1278	112	3525.6	-47.05	9.72	2174.9
79	1279	113	3532.7	32.75	9.63	2163.3
79	1280	114	3539.4	280.43	9.6	2157.6
79	1281	115	3544.4	336.17	9.53	2159.9
79	1282	116	3549.4	246.81	9.72	2172.3
79	1283	117	3556.6	361.54	9.6	2182.1



79	1284	118	3565.3	359.66	9.64	2177.9
79	1285	119	3573.3	513.07	9.64	2186.4
81	1286	120	3582.8	521.83	9.56	2190.9
78.107438	1287	121	3590.7	470.75	9.64	2176.4
TAS [kt]	1288	122	3600.6	499.9	9.47	2162.2
75	1289	123	3606.5	410	9.67	2162.7
77	1290	124	3610.6	409.89	9.6	2171.6
76	1291	125	3614.2	408.76	9.57	2168.1
75	1292	126	3617.8	335.82	9.54	2163.9
77	1293	127	3621.1	208.91	9.59	2156.8
75	1294	128	3622.1	211.51	9.51	2152.5
77	1295	129	3624.6	315.92	9.57	2158.8
76	1296	130	3623	288.16	9.5	2160.3
75	1297	131	3623.2	3.02	9.61	2161.6
75	1298	132	3628.7	-160.59	9.41	2162.4

75	1299	133	3634.6	3.55	9.53	2154.7
77	1300	134	3640.8	285.94	9.55	2152
78	1301	135	3643.7	337.56	9.37	2151.7
78	1302	136	3645.7	242.69	9.46	2152.9
79	1303	137	3644.9	272.64	9.53	2163.2
80	1304	138	3638.7	308.09	9.62	2168.6
80	1305	139	3634.4	-23.4	9.59	2175.3
80	1306	140	3634.3	-221.95	9.67	2172.2
77	1307	141	3636.8	-157.38	9.6	2166.2
79	1308	142	3640.3	-38.43	9.51	2167.6
79	1309	143	3643.5	75.35	9.44	2167.2
79	1310	144	3647	80.85	9.52	2159.5
80	1311	145	3648.2	112.21	9.54	2151.1
80	1312	146	3653	57.79	9.57	2159.6
79	1313	147	3658.3	184.28	9.6	2188.2
80	1314	148	3664.9	242.52	9.74	2202.9
80	1315	149	3671.7	359.44	9.64	2198.8
81	1316	150	3676.5	385.9	9.66	2187.4
81	1317	151	3678.1	334.53	9.66	2179.9
81	1318	152	3679.4	239.76	9.59	2182.9
80	1319	153	3681.6	192.17	9.63	2177.2
80	1320	154	3684.4	90.12	9.53	2173.7
80	1321	155	3685	129.68	9.48	2163.6
79	1322	156	3685.6	149.64	9.58	2158.9
78	1323	157	3685.4	49.49	9.59	2155.9
78	1324	158	3685.9	-41.12	9.51	2163.2
78	1325	159	3686.7	30.44	9.57	2164
78	1326	160	3689.9	77.67	9.54	2172
78	1327	161	3694.6	125.55	9.61	2172.8

78	1328	162	3698.5	230.23	9.57	2164
77	1329	163	3701.5	294.77	9.46	2161.6
77	1330	164	3705.6	278.67	9.52	2161.3
77	1332	165	3713.4	226.07	9.5	2154.4
77	1333	166	3716.5	208.74	9.48	2152
78	1334	167	3718	162.71	9.5	2150.4
78	1336	168	3716.8	82.35	9.56	2151.8
79	1337	169	3721	-10.16	9.51	2148.7
78	1338	170	3722	0.99	9.48	2151.4
78	1339	171	3721.7	79.21	9.44	2151.5
78	1340	172	3720.3	62.88	9.54	2152.1
79						
78	Climb 2					
79	1671		2987	769.37	10.18	2271.1
79	1672		3002.5	790.65	10.35	2264.6
79	1673		3015.6	707.12	10.3	2278.2
79	1674		3027.5	807.23	10.17	2279.7

79	1675	3039.9	689.89	10.11	2272.2
79	1676	3052.1	648.82	10.26	2272.2
79	1677	3064.4	741.2	10.2	2252.8
78	1678	3076.3	684.3	10.1	2250.9
78	1679	3090.7	632.7	10.13	2249.6
79	1680	3104.6	826.39	10.09	2249.9
79	1681	3115	940.32	10.13	2244.5
79	1683	3138.8	796.36	10.17	2254.9
79	1684	3145	988.24	10.15	2232.2
79	1685	3143.1	655.99	10.09	2219.7
78	1686	3137	137.57	10.12	2213.6
78	1687	3130.5	-166.37	10.08	2211.5
78	1688	3121.8	-174.7	10.03	2221.4
79	1689	3114.6	-264.79	10.18	2226.7
79	1690	3107	-495.68	10.2	2235.9
79	1691	3103.4	-453.64	10.23	2248.5
79	1692	3102.8	-396.84	10.3	2262.4
79	1693	3104.3	-266.33	10.17	2257.7
79	1694	3106	-33.67	10.04	2247.8
79	1695	3108.4	-175.45	10.21	2250.5
79	1697	3111.5	168.64	10.11	2239.8
79	1698	3114.7	-2.26	10.13	2246.2
79	1699	3120.8	41.1	10.23	2245.6
78	1700	3125.9	365.29	10.07	2239.7
78	1701	3131	447.39	10.1	2235.7
79	1702	3136.5	346.87	9.98	2249.7
79	1703	3143.9	375.35	10.29	2259
78	1704	3151.7	230.14	10.32	2268.2
80	1705	3160.7	346.39	10.27	2278
79	1706	3172.2	487.33	10.25	2284.9
78	1707	3184.3	539.62	10.2	2294.9

78	1708	3199.6	609.68	10.21	2289.1
79	1709	3214.1	901.36	10.21	2279.9
79	1710	3230.6	892.45	10.14	2274.8
80	1711	3248.1	923.54	10.2	2269.5
81	1712	3258.2	1161.01	10.15	2254.2
81	1713	3265.6	921.45	10.13	2243.8
81	1714	3270.1	620.93	9.84	2238.2
81	1715	3272.5	412.91	10.08	2225.8
81	1716	3270.7	268.6	10.08	2226.2
80	1717	3270.4	140.3	10.08	2226.2
81	1718	3270.4	16	10.07	2230.7
81	1719	3271.8	36.29	10	2227
81	1720	3274	20.14	9.91	2232
81	1721	3276	10.69	10.01	2237.1
81	1723	3287.5	136.76	9.98	2230.9
81	1724	3293.8	261.54	10.11	2221.2

81	1725	3298.2	339.85	10.08	2221
81	1726	3303.1	352.12	10.1	2230.2
81	1728	3318.3	336.2	10.03	2238.5
81	1729	3325.9	470.47	10.11	2221.1
82	1730	3328.3	460.12	10.04	2211
81	1731	3328.3	50.82	10.09	2208.9
81	1733	3327.6	127	10.04	2201.1
81	1734	3326	93.37	9.88	2197.6
82	1735	3326.4	-40.57	9.99	2203.5
82	1736	3328.4	-51.83	10.03	2211
82	1737	3330.4	55.86	10.09	2198.7
82	1738	3333.5	121.3	9.88	2200.4
82	1739	3339.5	226.23	9.95	2197.1
82	1740	3343.5	117.01	10.03	2197.1
82	1741	3347	165.34	10.02	2202.9
82	1742	3349	305	10.04	2206.1
82	1743	3352.6	94.94	10.05	2212.6
82	1744	3357.2	139.22	10.12	2216.2
79.132231	1745	3361.9	227.79	10.12	2212.4
	1746	3367.7	342.55	10.01	2225.6
	1747	3373.2	389.28	9.99	2235.9
	1748	3380.9	342.61	9.91	2235.4
	1749	3383.5	387.58	10.08	2235
	1750	3389.1	143.65	10.08	2232.3
	1751	3397.6	386.51	10.01	2232.6
	1752	3403.2	445.88	10.09	2231.2
	1753	3408.3	362.93	10.02	2236.2
	1754	3411.4	261.56	9.98	2228.2

1755

3414.1

161.17

9.92

2219.9

Team 29 (both)

#yyy-mm-d hh:mm:ss	inch		ft msl	deg C	kt	rpm	kt	
Lcl Date	Lcl Time	BaroA	AltMSL	OAT	IAS	E1 RPM	TAS	
3/3/18 12:41:40		30.17	0	3142.7	13.2	81.42	2244.9	86
3/3/18 12:41:41		30.17	1	3148.4	13.2	84.03	2249	88
3/3/18 12:41:42		30.17	2	3152.7	13.2	85.42	2253.4	90
3/3/18 12:41:43		30.17	3	3161.3	13.2	85.67	2260.4	90
3/3/18 12:41:45		30.17	4	3179.7	13.2	85	2256.4	89
3/3/18 12:41:46		30.17	5	3189.9	13.2	85.55	2256.4	90
3/3/18 12:41:47		30.17	6	3200.9	13	85.49	2256.3	90
3/3/18 12:41:48		30.17	7	3214.1	13	85.11	2257	90
3/3/18 12:41:49		30.17	8	3223	13	85.09	2256.8	90
3/3/18 12:41:50		30.17	9	3232.6	13	81.39	2250.9	86
3/3/18 12:41:51		30.17	10	3240.1	13	82.22	2244.7	87
3/3/18 12:41:52		30.17	11	3245.5	13	83.51	2249.1	88
3/3/18 12:41:53		30.17	12	3247.7	13	81.86	2247.5	86
3/3/18 12:41:54		30.17	13	3249.1	13	83.33	2242.6	88
3/3/18 12:41:55		30.17	14	3249.6	13	81.98	2249	86
3/3/18 12:41:56		30.17	15	3253.1	13	84.92	2257.8	89
3/3/18 12:41:57		30.17	16	3259.9	13	86.14	2262.6	91
3/3/18 12:41:58		30.17	17	3265.3	13	84.46	2255.7	89
3/3/18 12:41:59		30.17	18	3273.3	13	88.04	2268.2	93
3/3/18 12:42:00		30.17	19	3281.3	13	88.78	2269.3	94
3/3/18 12:42:01		30.17	20	3289.6	12.8	84.14	2261.8	89
3/3/18 12:42:02		30.17	21	3297.7	12.8	84.7	2259.5	89
3/3/18 12:42:03		30.17	22	3305.9	13	86.42	2259.8	91
3/3/18 12:42:04		30.17	23	3314.9	12.8	84.81	2259.5	89
3/3/18 12:42:05		30.17	24	3323.5	12.8	88.39	2264	93
3/3/18 12:42:06		30.17	25	3333.2	12.8	89.3	2269.1	94



3/3/18 12:42:07	30.17	26	3345.4	12.8	88.37	2268.6	93
3/3/18 12:42:08	30.17	27	3359.2	12.8	84.29	2262.8	89
3/3/18 12:42:09	30.17	28	3374.2	12.8	81.89	2252	86
3/3/18 12:42:10	30.17	29	3384.6	12.8	80.71	2244.6	85
3/3/18 12:42:11	30.17	30	3390.7	12.8	79.61	2233.6	84
3/3/18 12:42:12	30.17	31	3392.7	12.8	78.3	2228.8	83
3/3/18 12:42:13	30.17	32	3391.7	12.8	79.9	2234.9	84
3/3/18 12:42:15	30.17	33	3389.1	12.8	82.21	2246	87
3/3/18 12:42:16	30.17	34	3389.4	12.8	83.45	2251.4	88
3/3/18 12:42:17	30.17	35	3391.5	12.8	86.01	2254.8	91
3/3/18 12:42:18	30.17	36	3395.5	12.8	87.14	2259.9	92
3/3/18 12:42:19	30.17	37	3399.4	12.5	86	2262.1	91
3/3/18 12:42:20	30.17	38	3403.8	12.5	88.49	2269.1	93
3/3/18 12:42:21	30.17	39	3410.2	12.5	90.31	2272.3	95
3/3/18 12:42:22	30.17	40	3421.4	12.5	90.68	2276.7	96
3/3/18 12:42:23	30.17	41	3435.8	12.5	88.86	2274.7	94

3/3/18	12:42:24	30.17	42	3452.4	12.5	89.89	2273.6	95
3/3/18	12:42:25	30.17	43	3469.1	12.5	87.55	2270.6	93
3/3/18	12:42:26	30.17	44	3483.9	12.5	87.4	2264.8	92
3/3/18	12:42:27	30.17	45	3500.9	12.5	86.8	2262.5	92
3/3/18	12:42:28	30.17	46	3517.9	12.5	85.42	2255.3	90
3/3/18	12:42:29	30.17	47	3528.4	12.5	85.4	2255.2	90
3/3/18	12:42:30	30.17	48	3537.7	12.5	83.17	2246.8	88
3/3/18	12:42:31	30.17	49	3545.5	12.5	82.13	2241.4	87
3/3/18	12:42:32	30.17	50	3552.4	12.5	81.85	2240.4	87
3/3/18	12:42:33	30.17	51	3561.4	12.5	83.54	2247.2	88
3/3/18	12:42:34	30.17	52	3571.1	12.5	83.14	2246.1	88
3/3/18	12:42:36	30.17	53	3585.3	12.5	83.42	2247.7	88
3/3/18	12:42:37	30.17	54	3591.7	12.5	84.26	2249.4	89
3/3/18	12:42:38	30.17	55	3598.3	12.5	84.25	2250.5	89
3/3/18	12:42:39	30.17	56	3605.3	12.2	84.47	2253.4	89
3/3/18	12:42:40	30.17	57	3612.8	12.2	84.59	2253.2	90
3/3/18	12:42:41	30.17	58	3620.5	12.2	86	2253.1	91
3/3/18	12:42:42	30.17	59	3628.2	12.2	86.51	2258	92
3/3/18	12:42:43	30.17	60	3636	12.2	85.7	2256.2	91
3/3/18	12:42:44	30.17	61	3644.5	12.2	86.01	2258.5	91
3/3/18	12:42:45	30.17	62	3653.6	12.2	86.68	2259.4	92
3/3/18	12:42:46	30.17	63	3662.1	12.2	85.82	2259.3	91
3/3/18	12:42:47	30.17	64	3672.6	12.2	84.48	2259.1	90
3/3/18	12:42:48	30.17	65	3683.3	12.2	85.77	2258.4	91
3/3/18	12:42:49	30.17	66	3695.5	12.2	86.26	2257.2	91
3/3/18	12:42:50	30.17	67	3707.6	12.2	86.31	2259.9	92
3/3/18	12:42:51	30.17	68	3720.9	12.2	85.59	2257.6	91
3/3/18	12:42:52	30.17	69	3732.9	12.2	84.47	2254.9	90
3/3/18	12:42:53	30.17	70	3742.5	12.2	84.87	2255.2	90
3/3/18	12:42:54	30.17	71	3751.5	12.2	85.2	2254.1	90

3/3/18	12:42:55	30.17	72	3759.2	12.2	85.03	2255.8	90
3/3/18	12:42:56	30.17	73	3769	12.2	86.06	2261.1	91
3/3/18	12:42:57	30.17	74	3779.9	12.2	87.52	2261.3	93
3/3/18	12:42:58	30.17	75	3792.5	12.2	85.66	2257.4	91
3/3/18	12:43:00	30.17	76	3816.6	12.2	85.59	2254.6	91
3/3/18	12:43:01	30.17	77	3828.8	12.5	85.45	2254.2	91
3/3/18	12:43:02	30.17	78	3842.9	12.5	84.79	2254.9	90
3/3/18	12:43:03	30.17	79	3857	12.5	84.67	2253.8	90
3/3/18	12:43:04	30.17	80	3872.6	12.5	85	2252.3	90
3/3/18	12:43:05	30.17	81	3886.4	12.5	84.47	2250.5	90
3/3/18	12:43:06	30.17	82	3900.3	12.5	83.83	2249.5	89
3/3/18	12:43:07	30.17	83	3914.5	12.5	84.5	2253.6	90
3/3/18	12:43:08	30.17	84	3930.2	12.5	84.54	2252.9	90
3/3/18	12:43:09	30.17	85	3948.1	12.5	83.64	2250.8	89
3/3/18	12:43:10	30.17	86	3965.4	12.5	83.14	2244.8	89

3/3/18 12:43:11	30.17	87	3982.3	12.5	81.61	2241.1	87
3/3/18 12:43:12	30.17	88	3998.3	12.5	80.73	2234.5	86
3/3/18 12:43:13	30.17	89	4012.9	12.5	81.04	2238.4	86
3/3/18 12:43:14	30.17	90	4024.3	12.5	81.48	2237.1	87
3/3/18 12:43:15	30.17	91	4034.8	12.5	81.77	2238.9	87
3/3/18 12:43:16	30.17	92	4045.2	12.5	83.42	2244.2	89
3/3/18 12:43:17	30.17	93	4055	12.5	85.22	2252.3	91
3/3/18 12:43:18	30.17	94	4065.8	12.2	85.95	2255.7	92
3/3/18 12:43:19	30.17	95	4076.4	12.2	86.53	2258.2	92
3/3/18 12:43:20	30.17	96	4087.4	12.2	86.75	2261.4	93
3/3/18 12:43:21	30.17	97	4098.4	12.2	86.52	2262.9	92
3/3/18 12:43:22	30.17	98	4110.3	12.2	87.21	2263.7	93

84.873333 2254.6354 89.828283

climb 2

#yyy-mm-d hh:mm:ss	inch		ft msl	deg C	kt	rpm	kt
Lcl Date	Lcl Time	BaroA	AltMSL	OAT	IAS	E1 RPM	TAS
43162 12:48:55	30.17	0	3081.3	13.5	93.98	2291.2	99
43162 12:48:56	30.17	1	3095.6	13.2	91.15	2293.5	96
43162 12:48:57	30.17	2	3112.7	13.2	91.47	2288.6	96
43162 12:48:59	30.17	3	3139.9	13.2	89.44	2277	94
43162 12:49:00	30.17	4	3153.6	13.2	88.18	2271	93
43162 12:49:01	30.17	5	3166.4	13.2	86.46	2265.7	91
43162 12:49:02	30.17	6	3180.4	13.2	86.5	2264.3	91
43162 12:49:03	30.17	7	3192.7	13.2	87.04	2267.8	92
43162 12:49:04	30.17	8	3205.1	13.2	86.92	2266.6	91
43162 12:49:06	30.17	9	3223.1	13.2	82.12	2252.1	86
43162 12:49:07	30.17	10	3235	13.2	83.96	2252.9	88
43162 12:49:08	30.17	11	3248.5	13.2	83.35	2259	88
43162 12:49:09	30.17	12	3260.4	13.2	83.38	2255.4	88

43162 12:49:10	30.17	13	3274.4	13.2	83.35	2257.3	88
43162 12:49:11	30.17	14	3288.6	13.2	84.42	2255.8	89
43162 12:49:12	30.17	15	3301.8	13.2	82.69	2252.7	87
43162 12:49:13	30.17	16	3313.7	13.2	81.64	2248.7	86
43162 12:49:14	30.17	17	3324.2	13.2	80.18	2245.1	85
43162 12:49:15	30.17	18	3333	13.2	81.27	2245.3	86
43162 12:49:16	30.17	19	3342.5	13	80.75	2245.7	85
43162 12:49:17	30.17	20	3350	13	82.25	2248.8	87
43162 12:49:18	30.17	21	3357.1	13	81.98	2246.9	86
43162 12:49:19	30.17	22	3363.1	13	82.16	2246.1	87
43162 12:49:20	30.17	23	3368.7	13	82.87	2247.7	87
43162 12:49:21	30.17	24	3377.3	13	83.82	2254.1	88
43162 12:49:22	30.17	25	3385.9	13	80.87	2246.6	85
43162 12:49:23	30.17	26	3394.7	13	79.9	2243.4	84
43162 12:49:24	30.17	27	3405.1	13	80.9	2247	85
43162 12:49:25	30.17	28	3414.3	12.8	83.06	2248.2	88

43162	12:49:26	30.17	29	3422.5	12.8	84.69	2254.1	89
43162	12:49:27	30.17	30	3431.9	12.8	82.73	2251.6	87
43162	12:49:28	30.17	31	3440.7	12.8	84.42	2253.4	89
43162	12:49:29	30.17	32	3451.2	12.8	83.6	2257.2	88
43162	12:49:30	30.17	33	3463.4	12.8	85.73	2263	91
43162	12:49:31	30.17	34	3475.7	12.8	85.27	2262	90
43162	12:49:32	30.17	35	3489.5	12.8	87.45	2266.4	92
43162	12:49:34	30.17	36	3514.4	12.5	87.17	2265	92
43162	12:49:35	30.17	37	3529.9	12.5	86.74	2267	92
43162	12:49:36	30.17	38	3543.9	12.5	87.85	2267.1	93
43162	12:49:37	30.17	39	3555.8	12.5	87.85	2264.2	93
43162	12:49:38	30.17	40	3567.3	12.5	85.55	2265.9	91
43162	12:49:39	30.17	41	3582.5	12.5	88.28	2269.1	93
43162	12:49:40	30.17	42	3598.1	12.5	88.41	2269.2	94
43162	12:49:41	30.17	43	3611.2	12.5	87.95	2268.7	93
43162	12:49:42	30.17	44	3624.5	12.5	87.29	2269.5	92
43162	12:49:43	30.17	45	3637.4	12.5	88.06	2270.7	93
43162	12:49:44	30.17	46	3650.7	12.2	87.84	2267.8	93
43162	12:49:45	30.17	47	3664.5	12.2	88.19	2270.7	93
43162	12:49:46	30.17	48	3677.7	12.2	88.57	2274.9	94
43162	12:49:47	30.17	49	3689.8	12.2	88.34	2269.9	94
43162	12:49:48	30.17	50	3700.9	12.2	86.65	2270.5	92
43162	12:49:49	30.17	51	3711.1	12.2	85.69	2261.2	91
43162	12:49:50	30.17	52	3719.6	12.2	82.18	2251	87
43162	12:49:51	30.17	53	3725.6	12.2	84.57	2251	90
43162	12:49:52	30.17	54	3732.4	12.2	82.93	2248.7	88
43162	12:49:53	30.17	55	3739.6	12.2	79.67	2241.3	85
43162	12:49:54	30.17	56	3748.8	12.2	77.11	2231.7	82
43162	12:49:55	30.17	57	3755.8	12.2	77.98	2229.4	83
43162	12:49:56	30.17	58	3762.4	12.2	77.75	2230.1	83

43162	12:49:57	30.17	59	3769.5	12.2	79.08	2233.1	84
43162	12:49:58	30.17	60	3776.3	12.2	81.82	2241.3	87
43162	12:49:59	30.17	61	3782.9	12	82	2244.3	87
43162	12:50:00	30.17	62	3789	12	81.71	2243.7	87
43162	12:50:01	30.17	63	3795.2	12	81.73	2246.4	87
43162	12:50:02	30.17	64	3801.7	12	82.59	2245.9	88
43162	12:50:03	30.17	65	3808	12	82.34	2244.8	87
43162	12:50:04	30.17	66	3815.8	12	85.03	2250	90
43162	12:50:05	30.17	67	3823.8	11.8	83.8	2255	89
43162	12:50:06	30.17	68	3832.4	11.8	85.6	2256.8	91
43162	12:50:07	30.17	69	3844.5	11.8	82.09	2250.8	87
43162	12:50:08	30.17	70	3856.1	11.8	83.87	2252.4	89
43162	12:50:09	30.17	71	3867.5	11.8	84.48	2250.6	90
43162	12:50:10	30.17	72	3878.7	11.8	83.5	2248.7	89
43162	12:50:11	30.17	73	3889.8	11.8	84.42	2252.2	90
43162	12:50:12	30.17	74	3900.6	11.8	83.92	2252.6	89

43162	12:50:13	30.17	75	3911.9	11.5	86.04	2259.7	91
43162	12:50:15	30.17	76	3931.2	11.5	83.13	2247.6	88
43162	12:50:16	30.17	77	3941	11.5	82.89	2246.2	88
43162	12:50:17	30.17	78	3950.8	11.5	82.24	2244.1	87
43162	12:50:18	30.17	79	3962	11.5	80.95	2239.7	86
43162	12:50:19	30.17	80	3973	11.5	82.93	2247.1	88
43162	12:50:20	30.17	81	3985	11.5	82.61	2246.6	88
43162	12:50:21	30.17	82	3996.6	11.5	82.5	2242.7	88
43162	12:50:22	30.17	83	4008	11.5	82.49	2239.7	88
43162	12:50:23	30.17	84	4016.6	11.2	84.79	2248.2	90
43162	12:50:24	30.17	85	4026.8	11.2	83.47	2252.6	89
43162	12:50:25	30.17	86	4035.6	11.2	84.35	2251.1	90
43162	12:50:26	30.17	87	4045.1	11.2	83.94	2248.1	89
43162	12:50:27	30.17	88	4054.2	11.2	82.86	2246.5	88
43162	12:50:28	30.17	89	4062.1	11.2	82.95	2247.2	88
43162	12:50:29	30.17	90	4069.9	11.2	82.55	2243.6	88
43162	12:50:30	30.17	91	4077.3	11.2	82.66	2244.5	88
43162	12:50:31	30.17	92	4084.8	11.2	82.66	2243.9	88
43162	12:50:32	30.17		4093.2	11.2	83.63	2247.3	89

84.150957 2254.4872 89.074468





Team 30 (both)

#yyy-mm-d hh:mm:ss		inch	ft msl		deg C	kt	rpm	kt
Lcl Date	Lcl Time	BaroA	AltMSL	OAT	IAS	E1 RPM	TAS	
43162	12:22:57	30.17	0	3002.7	13	89.79	2252.6	94
43162	12:22:58	30.17	1	3012.6	13	87.55	2248.8	92
43162	12:22:59	30.17	2	3023.2	13	87.94	2252.4	92
43162	12:23:00	30.17	3	3036.4	13	87.99	2251.3	92
43162	12:23:01	30.17	4	3051.2	13	88.41	2253	93
43162	12:23:02	30.17	5	3066.7	13	89.31	2250.9	94
43162	12:23:03	30.17	6	3081.7	13	86.99	2249.7	91
43162	12:23:04	30.17	7	3095.7	13	85.79	2240.7	90
43162	12:23:05	30.17	8	3108.4	12.8	86.76	2242.3	91
43162	12:23:06	30.17	9	3120.8	12.8	84.2	2232.5	88
43162	12:23:07	30.17	10	3131.5	12.8	84.62	2235.2	89
43162	12:23:08	30.17	11	3139.8	12.8	84.95	2229.1	89
43162	12:23:09	30.17	12	3148.9	12.8	86.69	2234.3	91
43162	12:23:10	30.17	13	3159.2	12.8	86.62	2238.3	91
43162	12:23:11	30.17	14	3167.5	12.8	87.72	2241.9	92
43162	12:23:12	30.17	15	3176.8	12.5	87.98	2247.6	92
43162	12:23:13	30.17	16	3186.8	12.5	87.83	2245.2	92
43162	12:23:14	30.17	17	3198.3	12.5	87.6	2245.5	92
43162	12:23:15	30.17	18	3208.4	12.5	87.19	2247.2	92
43162	12:23:16	30.17	19	3221	12.5	91.83	2256.6	96
43162	12:23:17	30.17	20	3236.5	12.5	91.88	2261	97
43162	12:23:18	30.17	21	3250.3	12.5	95.16	2279	100
43162	12:23:19	30.17	22	3265.4	12.2	94.31	2277	99
43162	12:23:20	30.17	23	3281.4	12.2	91.72	2270.3	96
43162	12:23:21	30.17	24	3296.9	12.2	92.17	2276.7	97
43162	12:23:22	30.17	25	3313	12.2	92.91	2268.3	98

43162 12:23:23	30.17	26	3330.6	12.2	92.83	2269.6	98
43162 12:23:24	30.17	27	3347.6	12.2	92.06	2267.9	97
43162 12:23:25	30.17	28	3363.9	12.2	91.35	2265	96
43162 12:23:26	30.17	29	3379.4	12.2	91.66	2262.9	97
43162 12:23:27	30.17	30	3394.6	12.2	90.78	2259.4	96
43162 12:23:28	30.17	31	3409.6	12.2	91.34	2262	96
43162 12:23:29	30.17	32	3423.4	12.2	91.01	2258.4	96
43162 12:23:30	30.17	33	3437.4	12.2	90.79	2259.2	96
43162 12:23:31	30.17	34	3448.9	12.2	90.94	2258.8	96
43162 12:23:32	30.17	35	3460.3	12.2	92.35	2266.9	97
43162 12:23:33	30.17	36	3475.1	12.2	90.99	2260.8	96
43162 12:23:34	30.17	37	3492.4	12.5	87.19	2249.2	92
43162 12:23:35	30.17	38	3507.9	12.5	86.17	2240.8	91
43162 12:23:36	30.17	39	3523.4	12.5	86.49	2242.5	91
43162 12:23:37	30.17	40	3536.5	12.5	86.88	2240.8	92
43162 12:23:38	30.17	41	3550.3	12.5	85.96	2240.1	91

43162	12:23:39	30.17	42	3562.1	12.5	86.24	2238.1	91
43162	12:23:40	30.17	43	3573.7	12.5	84.71	2234.9	90
43162	12:23:41	30.17	44	3585	12.5	85.02	2233.1	90
43162	12:23:42	30.17	45	3596.2	12.5	85.42	2240.5	90
43162	12:23:43	30.17	46	3607.2	12.5	84.21	2237.2	89
43162	12:23:44	30.17	47	3617.6	12.5	84.46	2229.8	89
43162	12:23:45	30.17	48	3626.3	12.5	85.09	2235.4	90
43162	12:23:46	30.17	49	3633.9	12.5	85.63	2234.9	91
43162	12:23:47	30.17	50	3640.1	12.5	85.92	2236.5	91
43162	12:23:48	30.17	51	3646.2	12.5	86.48	2243.1	92
43162	12:23:49	30.17	52	3652.1	12.5	87.9	2247.4	93
43162	12:23:50	30.17	53	3659.4	12.5	88.09	2255.8	93
43162	12:23:51	30.17	54	3668	12.5	88.68	2249.6	94
43162	12:23:52	30.17	55	3676.7	12.5	88.72	2252.2	94
43162	12:23:53	30.17	56	3684.3	12.5	86.62	2243.8	92
43162	12:23:54	30.17	57	3690.1	12.5	87.43	2246.1	93
43162	12:23:55	30.17	58	3697	12.5	88.47	2247.3	94
43162	12:23:56	30.17	59	3703.2	12.5	88.52	2252.4	94
43162	12:23:57	30.17	60	3709.3	12.5	88.51	2249.5	94
43162	12:23:58	30.17	61	3715.5	12.5	87.64	2244.1	93
43162	12:23:59	30.17	62	3722.5	12.5	87.59	2247.8	93
43162	12:24:00	30.17	63	3729.4	12.5	89.58	2251.6	95
43162	12:24:01	30.17	64	3737.4	12.5	89.56	2251.4	95
43162	12:24:02	30.17	65	3745.2	12.5	89.26	2250.2	95
43162	12:24:03	30.17	66	3754	12.5	89.34	2251.2	95
43162	12:24:04	30.17	67	3762.9	12.5	89.08	2257.8	95
43162	12:24:05	30.17	68	3771.4	12.5	88.92	2249.2	94
43162	12:24:06	30.17	69	3779.6	12.5	88.9	2253	94
43162	12:24:07	30.17	70	3787.3	12.5	88.55	2251.2	94
43162	12:24:08	30.17	71	3794.8	12.5	88.19	2248	94

43162	12:24:09	30.17	72	3801.4	12.5	87.95	2244.6	93
43162	12:24:10	30.17	73	3807.7	12.2	87.57	2243.2	93
43162	12:24:11	30.17	74	3814.1	12.2	87.42	2247	93
43162	12:24:12	30.17	75	3820.3	12.2	87.91	2243.7	93
43162	12:24:13	30.17	76	3825.7	12.2	87.92	2244.2	93
43162	12:24:14	30.17	77	3831.1	12.2	87.63	2245.4	93
43162	12:24:15	30.17	78	3838.3	12.2	88.94	2249.2	94
43162	12:24:16	30.17	79	3844.6	12.2	88.98	2253.5	95
43162	12:24:17	30.17	80	3851.6	12.2	89.52	2255.6	95
43162	12:24:18	30.17	81	3858.6	12.2	89.38	2253.4	95
43162	12:24:19	30.17	82	3865.1	12.2	89.22	2253.4	95
43162	12:24:20	30.17	83	3871.2	12.2	88.68	2248.6	94
43162	12:24:21	30.17	84	3877	12.2	88.35	2245.6	94
43162	12:24:22	30.17	85	3882.3	12.2	88.48	2244.4	94
43162	12:24:23	30.17	86	3887.3	12.2	88.72	2249.1	94

43162	12:24:24	30.17	87	3891.6	12.2	88.35	2246.2	94
43162	12:24:25	30.17	88	3895.1	12.2	89.33	2246.8	95
43162	12:24:26	30.17	89	3897.8	12.2	90.02	2253.3	96
43162	12:24:27	30.17	90	3902.2	12.2	90.05	2255.6	96
43162	12:24:28	30.17	91	3904.5	12.2	89.26	2254.7	95
43162	12:24:29	30.17	92	3905.5	12.2	89.52	2252	95
43162	12:24:30	30.17	93	3906.8	12	90.05	2252.6	96
43162	12:24:31	30.17	94	3908.7	12	90.97	2258.4	97
43162	12:24:32	30.17	95	3911.2	12	90.58	2259.3	96
43162	12:24:33	30.17	96	3912.1	12	89.77	2256.2	95
43162	12:24:34	30.17	97	3915.9	12	90.28	2257.4	96
43162	12:24:35	30.17	98	3919.9	12	90.24	2253.9	96
43162	12:24:36	30.17	99	3924.1	12	89.82	2255.2	96
43162	12:24:37	30.17	100	3928.1	12	89.66	2254.9	95
43162	12:24:38	30.17	101	3932.6	12	90.46	2257.2	96
43162	12:24:39	30.17	102	3939.7	12	89.79	2258.9	96
43162	12:24:40	30.17	103	3945.1	12	89.71	2254	95
43162	12:24:41	30.17	104	3949.5	12	90.31	2255.7	96
43162	12:24:42	30.17	105	3953.1	12	90.3	2255.6	96
43162	12:24:43	30.17	106	3956	12	89.84	2255.1	96
43162	12:24:44	30.17	107	3959.5	12	90.56	2255.4	96
43162	12:24:45	30.17	108	3962.2	12	89.8	2255.3	96
43162	12:24:46	30.17	109	3966.6	12	86.17	2248.3	92
43162	12:24:47	30.17	110	3972.6	12	89.74	2241.5	96
43162	12:24:48	30.17	111	3978.7	12	86.79	2235.5	92
43162	12:24:49	30.17	112	3985	11.8	87.61	2243.3	93
43162	12:24:50	30.17	113	3991.3	11.8	89.31	2256.5	95
43162	12:24:51	30.17	114	4001.2	11.8	90.41	2256.3	96
clb2						88.72	2250.4417	93.878261
43162	12:28:26	30.17	0	3001.4	13	89.46	2264.7	94

43162	12:28:27	30.17	1	3013.2	12.8	89.59	2262.6	94
43162	12:28:28	30.17	2	3023.2	12.8	89.41	2263.6	94
43162	12:28:29	30.17	3	3035	12.8	88.96	2261.5	93
43162	12:28:30	30.17	4	3046.7	12.8	88.93	2258.2	93
43162	12:28:31	30.17	5	3058.6	12.8	89.95	2260.5	94
43162	12:28:32	30.17	6	3072.2	12.8	88.01	2259.6	92
43162	12:28:33	30.17	7	3084.2	12.8	88.28	2261	92
43162	12:28:34	30.17	8	3095.1	12.8	89.79	2261.3	94
43162	12:28:35	30.17	9	3107	12.5	89.43	2257.1	94
43162	12:28:36	30.17	10	3117.8	12.5	86.31	2253.2	91
43162	12:28:37	30.17	11	3131.6	12.5	87.19	2253.8	91
43162	12:28:38	30.17	12	3142.8	12.5	87.43	2258.8	92
43162	12:28:39	30.17	13	3154.9	12.5	87.18	2257.1	92
43162	12:28:40	30.17	14	3163.1	12.5	86.85	2246.1	91
43162	12:28:41	30.17	15	3169.1	12.5	83.16	2240.9	87

43162	12:28:42	30.17	16	3173.6	12.5	86.09	2253.1	90
43162	12:28:43	30.17	17	3177.2	12.5	87.07	2255.6	91
43162	12:28:44	30.17	18	3181.1	12.5	88.85	2254.8	93
43162	12:28:45	30.17	19	3183.7	12.2	88.56	2256.5	93
43162	12:28:46	30.17	20	3187.2	12.2	90.03	2262.8	94
43162	12:28:47	30.17	21	3193.2	12.2	90.61	2270	95
43162	12:28:48	30.17	22	3202.8	12.2	92.91	2277	97
43162	12:28:49	30.17	23	3213	12.2	94.12	2279	99
43162	12:28:50	30.17	24	3218.2	12.2	92.4	2277.5	97
43162	12:28:51	30.17	25	3224	12.2	91.32	2267.1	96
43162	12:28:52	30.17	26	3230.7	12.2	91.11	2270.1	96
43162	12:28:53	30.17	27	3240.7	12.2	90.07	2268.2	94
43162	12:28:54	30.17	28	3248.5	12.2	90.27	2261.5	95
43162	12:28:55	30.17	29	3256.2	12.2	89.97	2260.6	94
43162	12:28:56	30.17	30	3264	12	91.28	2266	96
43162	12:28:57	30.17	31	3274.1	12	92.71	2271.9	98
43162	12:28:58	30.17	32	3284.5	12	89.86	2259.5	95
43162	12:28:59	30.17	33	3295.2	12	90.11	2261	95
43162	12:29:00	30.17	34	3307.6	12	89.79	2261.9	94
43162	12:29:01	30.17	35	3316.5	12	87.28	2253.2	92
43162	12:29:02	30.17	36	3315.6	12	89.67	2255.9	94
43162	12:29:03	30.17	37	3318.6	12	91.71	2265.2	97
43162	12:29:04	30.17	38	3320.2	12	86.76	2257.7	91
43162	12:29:05	30.17	39	3322.6	12	88.04	2255	93
43162	12:29:06	30.17	40	3328.8	12	89.59	2260.5	94
43162	12:29:07	30.17	41	3337.8	12	88.4	2256.2	93
43162	12:29:08	30.17	42	3346.3	12	85.33	2246.8	90
43162	12:29:09	30.17	43	3352.3	12	84.41	2244.6	89
43162	12:29:10	30.17	44	3354.7	12	88.26	2254.6	93
43162	12:29:11	30.17	45	3356.9	12	88.77	2254.8	93



43162	12:29:12	30.17	46	3361.7	12	88.29	2260.2	93
43162	12:29:13	30.17	47	3367.7	12	89.79	2262.4	95
43162	12:29:14	30.17	48	3372.4	12	87.92	2261.2	93
43162	12:29:15	30.17	49	3376.7	12	88.01	2255.5	93
43162	12:29:16	30.17	50	3381.9	12	85.62	2246.8	90
43162	12:29:17	30.17	51	3385.6	12	84.31	2240	89
43162	12:29:18	30.17	52	3390.4	12	87.53	2246.9	92
43162	12:29:19	30.17	53	3394.4	12	87.66	2250.9	92
43162	12:29:20	30.17	54	3396.5	12	86.06	2249.9	91
43162	12:29:21	30.17	55	3399.5	12	86.6	2248.7	91
43162	12:29:22	30.17	56	3402.4	12	86.72	2249.4	91
43162	12:29:23	30.17	57	3405.7	12	87.38	2254.9	92
43162	12:29:24	30.17	58	3410.7	12	91.86	2268.5	97
43162	12:29:25	30.17	59	3419.4	12	94.26	2274.8	99
43162	12:29:26	30.17	60	3428.7	12	91.97	2280.2	97
43162	12:29:27	30.17	61	3439.4	12	90.28	2263.8	95

43162	12:29:28	30.17	62	3450.7	12	91.09	2270.9	96
43162	12:29:29	30.17	63	3463.9	12	95.18	2276.2	100
43162	12:29:30	30.17	64	3474.8	12	93.21	2278.5	98
43162	12:29:31	30.17	65	3487.1	12	95.23	2282.5	101
43162	12:29:32	30.17	66	3500.5	11.8	95.74	2288.9	101
43162	12:29:33	30.17	67	3515.7	11.8	93.63	2280.4	99
43162	12:29:34	30.17	68	3531.6	11.8	91.65	2267.6	97
43162	12:29:35	30.17	69	3544.7	11.8	90.1	2260.5	95
43162	12:29:36	30.17	70	3555.5	11.8	89.95	2262.3	95
43162	12:29:37	30.17	71	3566.3	11.8	87.37	2254.7	92
43162	12:29:38	30.17	72	3574.7	11.8	85.05	2242.9	90
43162	12:29:39	30.17	73	3581.1	11.8	87.1	2250.2	92
43162	12:29:40	30.17	74	3586.6	11.8	86.33	2249.8	91
43162	12:29:41	30.17	75	3592.8	11.8	86.58	2246.2	91
43162	12:29:42	30.17	76	3598.2	11.8	87.2	2245.3	92
43162	12:29:43	30.17	77	3602.6	11.8	84.59	2243	89
43162	12:29:44	30.17	78	3606.4	11.8	85.77	2245.2	91
43162	12:29:45	30.17	79	3611	11.8	85.74	2241.3	91
43162	12:29:46	30.17	80	3616.1	11.8	86.09	2243.5	91
43162	12:29:47	30.17	81	3621.2	11.8	85.5	2247.9	90
43162	12:29:48	30.17	82	3626.5	11.5	86.3	2247.4	91
43162	12:29:49	30.17	83	3633.4	11.5	86.04	2244.8	91
43162	12:29:50	30.17	84	3640	11.5	87.38	2247.4	92
43162	12:29:51	30.17	85	3647.4	11.5	88.82	2256.2	94
43162	12:29:52	30.17	86	3653.8	11.5	88.76	2260.9	94
43162	12:29:53	30.17	87	3661.3	11.5	90.38	2260.4	96
43162	12:29:54	30.17	88	3670.4	11.5	90.24	2260.9	95
43162	12:29:55	30.17	89	3680.4	11.5	89.8	2260.6	95
43162	12:29:56	30.17	90	3691.1	11.5	89.44	2260	95
43162	12:29:57	30.17	91	3701.3	11.5	88.4	2253.8	94
43162	12:29:58	30.17	92	3712.1	11.5	87.67	2253.6	93

43162	12:29:59	30.17	93	3721.9	11.5	88.19	2248.6	93
43162	12:30:00	30.17	94	3730.2	11.5	86.79	2246.1	92
43162	12:30:01	30.17	95	3738.1	11.5	87.9	2248.5	93
43162	12:30:02	30.17	96	3746	11.5	88.1	2251.4	93
43162	12:30:03	30.17	97	3752.1	11.5	89.07	2255.5	94
43162	12:30:04	30.17	98	3754.8	11.5	85.79	2245.2	91
43162	12:30:05	30.17	99	3758.7	11.5	87.06	2250.9	92
43162	12:30:06	30.17	100	3764	11.5	87.88	2249.6	93
43162	12:30:07	30.17	101	3768.9	11.5	86.17	2246.4	91
43162	12:30:08	30.17	102	3772.9	11.5	85.54	2244.8	91
43162	12:30:09	30.17	103	3775.5	11.5	86.36	2246.2	92
43162	12:30:10	30.17	104	3781.4	11.5	86.77	2245.2	92
43162	12:30:11	30.17	105	3787.7	11.5	86.25	2244.7	91
43162	12:30:12	30.17	106	3793.1	11.5	86.34	2244.7	92
43162	12:30:13	30.17	107	3797.7	11.5	86.19	2244.4	91
43162	12:30:14	30.17	108	3802.3	11.5	87.03	2249.2	92

43162	12:30:15	30.17	109	3808.7	11.5	87.45	2254.5	93
43162	12:30:16	30.17	110	3812	11.5	87.64	2250.2	93
43162	12:30:17	30.17	111	3815.5	11.5	88.37	2249.9	94
43162	12:30:18	30.17	112	3818.7	11.5	88	2251.1	93
43162	12:30:19	30.17	113	3822.2	11.5	88.72	2259.9	94
43162	12:30:20	30.17	114	3826.6	11.5	89.41	2256.2	95
43162	12:30:21	30.17	115	3830.7	11.5	90.02	2257.7	96
43162	12:30:22	30.17	116	3837.5	11.5	89.4	2256.9	95
43162	12:30:23	30.17	117	3844.3	11.5	90.14	2260.7	96
43162	12:30:24	30.17	118	3851.6	11.5	90.52	2265.7	96
43162	12:30:25	30.17	119	3860	11.5	90.78	2267.5	96
43162	12:30:26	30.17	120	3868.9	11.8	91.17	2267.6	97
43162	12:30:27	30.17	121	3880.5	11.8	90.74	2263.8	96
43162	12:30:28	30.17	122	3890.8	11.8	90.44	2263.2	96
43162	12:30:29	30.17	123	3902.2	11.8	90.48	2259.4	96
43162	12:30:30	30.17	124	3914.5	11.8	90.16	2262	96
43162	12:30:31	30.17	125	3927.5	11.8	89.9	2258	96
43162	12:30:32	30.17	126	3940.5	11.8	89.81	2257.9	95
43162	12:30:33	30.17	127	3953.6	11.8	89.79	2261	96
43162	12:30:34	30.17	128	3967.7	11.8	89.16	2258.1	95
43162	12:30:35	30.17	129	3979.1	11.8	88.66	2252.1	94
43162	12:30:36	30.17	130	3990.1	11.8	88.62	2249.5	94
43162	12:30:37	30.17	131	4000.7	11.8	88.5	2254.4	94

88.751364 2257.2364 93.636364

Team 33 (both)

hh:mm:ss	inch	ft msl		deg C	kt	fpm	deg	gph
Lcl Time	BaroA	AltMSL	OAT	IAS	VSpd	HDG	E1 FFlow	
08:44:00	29.8	0	3002.5	12.2	75.82	429.97	86.3	14.08
08:44:01	29.8	1	3010.2	12.2	76.09	443.27	87.4	13.7
08:44:02	29.8	2	3017.7	12.2	76.24	419.94	88.5	13.92
08:44:03	29.8	3	3025.5	12.2	76.41	403.57	89.6	13.76
08:44:04	29.8	4	3036.1	12.2	76.31	410.7	89.8	13.76
08:44:05	29.8	5	3046.5	12.2	76.46	468.49	89.7	13.98
08:44:06	29.8	6	3057.8	12.2	76.48	544.01	89.7	13.85
08:44:07	29.8	7	3069.6	12.2	76.27	609.93	89.5	13.9
08:44:08	29.8	8	3082.5	12.2	76.14	671.7	89.5	13.87
08:44:09	29.8	9	3094.8	12.2	76.02	713.45	89.7	14
08:44:10	29.8	10	3105.6	12.2	75.65	725.59	90.1	13.87
08:44:11	29.8	11	3116.5	12.2	75.61	721.46	90.7	14.03
08:44:12	29.8	12	3127.1	12.2	75.51	691.67	91.5	13.86
08:44:13	29.8	13	3137	12.2	75.51	633.61	92.2	13.88
08:44:14	29.8	14	3147.4	12.2	75.23	582.24	92.2	13.95
08:44:15	29.8	15	3156.7	12.2	75.41	575.26	92	14.09
08:44:16	29.8	16	3167.6	12.2	75.29	591.5	91.7	13.73
08:44:17	29.8	17	3178.5	12.2	75.44	616.14	91.6	13.98
08:44:18	29.8	18	3189	12.2	75.62	640.28	91.9	13.89
08:44:19	29.8	19	3199.4	12.2	75.39	632	92.1	13.88
08:44:20	29.8	20	3210.4	12.2	75.37	624.36	92.4	14.03
08:44:21	29.8	21	3220.8	12.2	75.29	605.07	92.5	13.77
08:44:22	29.8	22	3230.5	12.2	75.31	592.65	92.3	13.68
08:44:23	29.8	23	3241	12.5	75.52	605.06	91.9	13.72
08:44:24	29.8	24	3251.9	12.5	75.7	633.01	91.4	13.79
08:44:25	29.8	25	3262.5	12.5	75.73	641.6	91.3	13.99

08:44:26	29.8	26	3273.7	12.5	75.65	635.35	91.2	13.8
08:44:27	29.8	27	3283.6	12.5	75.64	639.74	91	13.8
08:44:28	29.8	28	3295.3	12.5	75.08	634.04	90.9	13.98
08:44:29	29.8	29	3305.6	12.5	74.79	624.5	90.7	14.02
08:44:30	29.8	30	3314.9	12.5	74.35	610.55	90.5	13.72
08:44:31	29.8	31	3323.6	12.5	73.91	582.58	90.2	13.84
08:44:32	29.8	32	3331.8	12.5	73.76	548.89	90	13.92
08:44:33	29.8	33	3339.5	12.5	73.66	504.54	89.9	13.86
08:44:34	29.8	34	3345.4	12.5	73.59	469.25	89.6	13.73
08:44:35	29.8	35	3351.9	12.5	73.4	446.58	89.3	13.82
08:44:36	29.8	36	3358.5	12.5	73.38	432.35	89.1	13.8
08:44:37	29.8	37	3365	12.8	73.77	431.99	89.1	13.95
08:44:38	29.8	38	3372	12.8	74.02	418.17	89.3	13.99
08:44:39	29.8	39	3378.4	12.8	74.08	400.55	89.7	13.83
08:44:40	29.8	40	3387.3	12.8	74.29	384.93	90	13.85
08:44:41	29.8	41	3395.3	12.8	74.21	375.03	89.9	13.79

08:44:42	29.8	42	3403.4	13	74.23	399.5	89.5	13.67
08:44:43	29.8	43	3412	13	74.46	443.2	88.9	13.8
08:44:44	29.8	44	3421.6	13	74.33	478.02	88.2	13.83
08:44:45	29.8	45	3430.8	13.2	74.27	515.38	87.8	14.1
08:44:46	29.8	46	3439.1	13.2	74.08	527.42	87.5	13.8
08:44:47	29.8	47	3448.2	13.2	73.79	530.3	87.2	13.79
08:44:48	29.8	48	3457.3	13.2	73.81	550.87	86.9	13.77
08:44:49	29.8	49	3466	13.5	73.38	540.1	86.5	13.76
08:44:50	29.8	50	3474.6	13.5	73.48	536.62	86.4	13.83
08:44:51	29.8	51	3481.8	13.8	73.44	528.28	86.3	13.8
08:44:52	29.8	52	3490.1	13.8	73.41	502.66	86.4	13.88
08:44:53	29.8	53	3497.2	13.8	73.58	471.94	86.7	13.77
08:44:54	29.8	54	3503.6	14	73.72	428.13	87.1	13.81
08:44:55	29.8	55	3509.9	14	73.74	388.54	87	13.83
08:44:56	29.8	56	3516.6	14	74.06	375.45	86.8	13.85
08:44:57	29.8	57	3523	14.2	74.42	368.95	86.6	13.97
08:44:58	29.8	58	3528.9	14.2	74.9	388.81	86.4	13.74
08:44:59	29.8	59	3535.7	14.2	75.32	399.46	86.7	14.08
08:45:00	29.8	60	3543	14.2	75.53	396.93	87.3	13.8
08:45:01	29.8	61	3550.5	14.5	75.88	414.21	88	13.78
08:45:02	29.8	62	3559.1	14.5	75.92	397.32	88.7	13.8
08:45:03	29.8	63	3567.8	14.5	75.89	410.83	88.8	14.06
08:45:04	29.8	64	3577.8	14.5	75.81	455.34	88.7	13.79
08:45:05	29.8	65	3588.5	14.8	75.8	511.24	88.6	13.82
08:45:06	29.8	66	3599.2	14.8	75.71	561.11	88.5	13.82
08:45:07	29.8	67	3610.3	14.8	75.47	592.15	88.2	13.75
08:45:08	29.8	68	3621.2	14.8	75.35	627.34	88	13.76
08:45:09	29.8	69	3632.5	14.8	75.12	635.8	88	13.87
08:45:10	29.8	70	3642.2	15	75.01	631.39	88	13.73
08:45:11	29.8	71	3651.9	15	74.91	632.43	88	13.72

08:45:12	29.8	72	3661.8	15	74.74	610.58	88	13.79
08:45:13	29.8	73	3671.4	15	74.69	597.39	87.9	13.78
08:45:14	29.8	74	3680.8	15	74.57	565.66	87.8	13.77
08:45:15	29.8	75	3690.4	15	74.76	559.07	87.7	13.68
08:45:16	29.8	76	3699.5	15.2	74.68	555.84	87.6	13.78
08:45:17	29.8	77	3709.2	15.2	74.89	560.47	87.5	13.71
08:45:18	29.8	78	3718.2	15.2	74.77	539.92	87.5	13.77
08:45:19	29.8	79	3727	15.2	74.95	533.46	87.6	13.73
08:45:20	29.8	80	3735.7	15.2	74.82	519.76	87.7	13.82
08:45:21	29.8	81	3744.8	15.2	74.91	522.28	87.9	13.82
08:45:22	29.8	82	3752.5	15.2	74.91	518.22	88.3	13.78
08:45:23	29.8	83	3759.9	15.2	74.85	484.2	88.7	13.77
08:45:24	29.8	84	3767.3	15.2	74.84	480.14	89.2	13.78
08:45:25	29.8	85	3774.8	15.2	74.94	469.3	89.6	13.77
08:45:26	29.8	86	3782.2	15.2	75.09	464.21	90.1	13.68



08:45:27	29.8	87	3789.6	15.2	75.07	442.3	90.6	13.76
08:45:28	29.8	88	3797	15.2	75.11	432.55	91.1	13.73
08:45:29	29.8	89	3805.4	15.2	75.17	441.8	91.5	13.79
08:45:30	29.8	90	3813	15.2	75.04	433.99	92	13.67
08:45:31	29.8	91	3820.8	15.2	74.89	428	92.2	13.76
08:45:32	29.8	92	3828.7	15.2	74.87	437.72	92.1	13.84
08:45:33	29.8	93	3837.1	15.2	74.7	437.41	91.8	13.75
08:45:34	29.8	94	3845.1	15.2	74.69	449.77	91.3	13.85
08:45:35	29.8	95	3851.5	15.2	74.7	463.15	91.1	13.73
08:45:36	29.8	96	3859.5	15.2	74.57	463.97	90.9	13.71
08:45:37	29.8	97	3867.3	15.2	74.53	465.99	90.6	13.71
08:45:38	29.8	98	3875.2	15.2	74.41	455.31	90.1	13.69
08:45:39	29.8	99	3882.5	15.2	74.38	448.33	89.4	13.7
08:45:40	29.8	100	3891.4	15.2	74.51	468.11	88.6	13.7
08:45:41	29.8	101	3900.1	15.2	74.58	493.89	88.3	13.73
08:45:42	29.8	102	3907.8	15.2	74.62	481.79	88.2	13.8
08:45:43	29.8	103	3915.3	15.2	74.64	468.66	88.1	13.68
08:45:44	29.8	104	3922.7	15.2	74.71	449.76	88.2	13.8
08:45:45	29.8	105	3930.5	15.2	74.75	432.53	88.5	13.75
08:45:46	29.8	106	3937.9	15.2	74.76	417.63	88.6	13.86
08:45:47	29.8	107	3944.6	15.2	74.72	426.93	88.8	13.79
08:45:48	29.8	108	3952.7	15.2	74.79	444.83	88.9	13.83
08:45:49	29.8	109	3960.9	15.2	74.76	469.98	89.1	13.79
08:45:50	29.8	110	3969.2	15.2	74.51	465.17	89.2	13.62
08:45:51	29.8	111	3977.2	15.2	74.53	472.26	89.2	13.68
08:45:52	29.8	112	3986.3	15.2	74.25	474.69	89.2	13.78
08:45:53	29.8	113	3994.2	15.2	74.25	477.28	89.1	13.79
08:45:54	29.8	114	4001.7	15.2	74.43	468.78	88.9	13.7

climb 2

74.865826 510.42061 89.254783 13.816174

hh:mm:ss	inch	ft	msl	deg C	kt	fpm	deg	gph
Lcl Time	BaroA	AltMSL	OAT		IAS	VSpd	HDG	E1 FFlow
08:49:11	29.8	0	3000.7	13	73.67	388.38	262.5	14.11
08:49:12	29.8	1	3006.7	13	73.78	369.18	262.7	13.98
08:49:13	29.8	2	3012.7	13	73.76	375.47	262.8	14.02
08:49:14	29.8	3	3019.7	13	73.48	377.63	262.8	14.09
08:49:15	29.8	4	3025.7	13	73.26	382.66	262.7	14.07
08:49:16	29.8	5	3033.7	13	73.1	404.73	262.7	14.07
08:49:17	29.8	6	3041.7	13	72.99	432.11	263.3	14.17
08:49:18	29.8	7	3048.7	13	72.79	427.72	264.7	13.85
08:49:20	29.8	8	3056.7	13	71.77	307.23	266	14.15
08:49:22	29.8	9	3068.7	13	71.38	342.09	265.4	14.07
08:49:23	29.8	10	3075.7	13	71.42	372.52	265	13.98
08:49:24	29.8	11	3080.7	13	71.54	362.32	264.9	13.91
08:49:25	29.8	12	3086.7	13	72.02	358.18	264.7	14.14
08:49:26	29.8	13	3092.7	13	72.34	352.16	264.6	14

08:49:27	29.8	14	3097.7	13	72.83	341.58	264.5	13.99
08:49:28	29.8	15	3102.7	13	73.51	338.59	264.7	14.06
08:49:29	29.8	16	3107.7	13	73.89	310.15	265.4	14.01
08:49:30	29.8	17	3111.7	13	74.32	286.31	266	14.04
08:49:31	29.8	18	3115.7	13	74.59	272.97	266.3	14.16
08:49:32	29.8	19	3123.7	13	74.96	311.57	266.4	14.12
08:49:33	29.8	20	3130.7	13	75.1	365.63	266.6	14.07
08:49:34	29.8	21	3138.7	13.2	75.33	417.41	266.9	14.12
08:49:35	29.8	22	3148.7	13.2	75.67	490.03	267.2	14.09
08:49:36	29.8	23	3158.7	13.2	75.45	542.99	267.4	14.1
08:49:37	29.8	24	3169.7	13.2	74.98	591.86	267.5	14.05
08:49:38	29.8	25	3181.7	13.2	74.72	639.91	267.6	14.23
08:49:39	29.8	26	3195.7	13.2	74.35	692.73	267.9	14.11
08:49:40	29.8	27	3206.7	13.5	73.76	713.49	268	13.95
08:49:41	29.8	28	3218.7	13.5	73.2	738.67	267.9	14.03
08:49:42	29.8	29	3231.7	13.5	73.09	749.01	268	13.94
08:49:43	29.8	30	3242.7	13.8	73.02	726.42	268.2	13.95
08:49:44	29.8	31	3251.7	13.8	73.04	664.71	268.4	13.99
08:49:45	29.8	32	3260.7	13.8	73.23	597.14	268.7	14.05
08:49:46	29.8	33	3268.7	13.8	73.24	552.68	268.9	13.82
08:49:47	29.8	34	3275.7	14	73.17	510.23	268.9	13.98
08:49:48	29.8	35	3284.7	14	72.93	493.95	268.5	13.94
08:49:49	29.8	36	3295.7	14	73.5	548.39	268.4	14.13
08:49:50	29.8	37	3304.7	14.2	72.89	555.29	268.5	13.99
08:49:51	29.8	38	3313.7	14.2	73.09	559.7	268.3	13.87
08:49:52	29.8	39	3323.7	14.2	72.93	569.08	268	13.88
08:49:53	29.8	40	3334.7	14.5	72.66	577.52	267.6	13.83
08:49:54	29.8	41	3343.7	14.5	72.65	592.23	267	13.84
08:49:55	29.8	42	3353.7	14.5	72.45	592.54	266.3	13.88
08:49:56	29.8	43	3362.7	14.8	72.45	587.61	265.6	14.22

08:49:57	29.8	44	3371.7	14.8	72.33	556.45	264.7	13.9
08:49:58	29.8	45	3380.7	14.8	72.39	541.75	263.7	13.95
08:49:59	29.8	46	3390.7	15	72.33	543.47	262.9	13.97
08:50:00	29.8	47	3399.7	15	72.32	553.9	262.6	13.84
08:50:01	29.8	48	3408.7	15	72.24	572.31	262.3	13.88
08:50:02	29.8	49	3417.7	15	72.24	559.24	261.9	14.01
08:50:03	29.8	50	3425.7	15.2	72.16	533.49	261.8	13.83
08:50:04	29.8	51	3433.7	15.2	72.24	508.58	261.7	13.8
08:50:05	29.8	52	3441.7	15.2	72.45	483.51	261.5	13.86
08:50:06	29.8	53	3448.7	15.2	72.55	470.94	261.4	13.79
08:50:07	29.8	54	3455.7	15.2	72.72	444.86	261.4	13.98
08:50:08	29.8	55	3461.7	15.5	72.66	413.02	261.2	13.87
08:50:09	29.8	56	3468.7	15.5	72.97	411.06	260.6	13.8
08:50:10	29.8	57	3476.7	15.5	73.37	428.09	260	13.92
08:50:11	29.8	58	3483.7	15.5	73.49	419.27	259.3	13.89
08:50:12	29.8	59	3489.7	15.5	73.73	411.37	258.6	13.79

08:50:13	29.8	60	3497.7	15.5	74.05	427.03	257.8	14.05
08:50:14	29.8	61	3505.7	15.5	74.12	433.48	257.2	13.88
08:50:15	29.8	62	3514.7	15.8	74.44	465.27	256.7	13.83
08:50:16	29.8	63	3522.7	15.8	74.48	489.5	256.6	13.85
08:50:17	29.8	64	3529.7	15.8	74.44	479.1	257.1	13.79
08:50:18	29.8	65	3536.7	15.8	74.16	454.46	257.9	13.8
08:50:19	29.8	66	3543.7	15.8	73.83	433.43	258.3	13.79
08:50:20	29.8	67	3551.7	15.8	73.44	443.99	258.2	13.86
08:50:21	29.8	68	3561.7	15.8	73.37	492.7	257.9	13.78
08:50:22	29.8	69	3572.7	15.8	73.27	548.2	257.5	13.8
08:50:23	29.8	70	3582.7	15.8	73.07	591.71	256.9	13.85
08:50:24	29.8	71	3593.7	15.8	72.99	622.3	256.4	13.72
08:50:25	29.8	72	3604.7	15.8	72.99	644.85	256.3	13.73
08:50:26	29.8	73	3614.7	15.8	72.86	634.36	256.3	13.71
08:50:27	29.8	74	3623.7	15.8	72.84	610.09	256.3	13.75
08:50:28	29.8	75	3634.7	15.8	73	602.12	256.4	13.74
08:50:29	29.8	76	3641.7	15.8	72.94	552.25	256.6	13.84
08:50:30	29.8	77	3648.7	15.8	72.97	503.48	256.7	14.01
08:50:31	29.8	78	3656.7	15.8	72.95	472.22	256.5	13.77
08:50:32	29.8	79	3665.7	15.8	73.22	483.5	256.3	13.6
08:50:33	29.8	80	3673.7	15.8	73.26	484.26	256	13.77
08:50:34	29.8	81	3681.7	15.8	73.28	480.74	255.6	13.78
08:50:35	29.8	82	3689.7	15.8	73.38	484.6	255.1	13.74
08:50:36	29.8	83	3697.7	15.8	73.34	472.19	254.7	13.72
08:50:37	29.8	84	3705.7	15.8	73.51	467.38	254	13.74
08:50:38	29.8	85	3712.7	15.8	73.74	479.1	253.3	13.81
08:50:39	29.8	86	3721.7	15.8	73.84	486.75	252.5	13.69
08:50:40	29.8	87	3730.7	15.8	74.11	519.73	252.1	13.77
08:50:41	29.8	88	3737.7	15.8	74.02	498.88	252.2	13.88
08:50:42	29.8	89	3745.7	15.8	73.91	477.58	252.6	13.72
08:50:43	29.8	90	3752.7	15.8	73.78	440.72	253.1	13.74

08:50:44	29.8	91	3758.7	15.8	73.61	423.39	252.9	13.86
08:50:45	29.8	92	3768.7	15.8	73.91	474.12	252.5	13.71
08:50:46	29.8	93	3778.7	15.8	74.04	521.31	252.6	13.79
08:50:47	29.8	94	3786.7	15.8	74.13	538.76	253	13.75
08:50:48	29.8	95	3794.7	15.8	74.18	513.64	253.3	13.8
08:50:49	29.8	96	3802.7	15.8	74.16	485.72	253.9	13.81
08:50:50	29.8	97	3809.7	15.8	73.97	461.29	254	13.77
08:50:51	29.8	98	3816.7	15.8	73.97	452.76	253.8	13.71
08:50:52	29.8	99	3825.7	15.8	74.13	472.96	253.7	13.73
08:50:53	29.8	100	3833.7	15.8	74.15	482.93	253.5	13.78
08:50:54	29.8	101	3842.7	15.8	74.18	500.76	253.3	13.66
08:50:55	29.8	102	3850.7	15.5	73.99	485.68	253.4	13.81
08:50:56	29.8	103	3857.7	15.5	74.05	480.68	253.4	13.74
08:50:57	29.8	104	3865.7	15.5	74.01	466.48	253.4	13.88
08:50:58	29.8	105	3872.7	15.5	74.13	449.81	253.4	13.78
08:50:59	29.8	106	3878.7	15.5	74.18	433.41	253.4	13.73

08:51:00	29.8	107	3886.7	15.5	74.13	428.68	253.3	13.81
08:51:01	29.8	108	3894.7	15.5	74.12	430.76	253.3	13.75
08:51:02	29.8	109	3900.7	15.5	74.11	437.54	253.4	13.82
08:51:03	29.8	110	3907.7	15.5	74.03	417.84	253.5	13.68
08:51:04	29.8	111	3914.7	15.5	74.31	426.29	253.5	13.86
08:51:05	29.8	112	3921.7	15.5	74.44	431.72	253.5	13.83
08:51:06	29.8	113	3928.7	15.5	74.19	415.25	253.5	13.75
08:51:07	29.8	114	3934.7	15.5	74.2	397.5	253.2	13.85
08:51:08	29.8	115	3941.7	15.5	74.41	389.75	253	13.8
08:51:09	29.8	116	3946.7	15.5	74.5	369.33	253	13.68
08:51:10	29.8	117	3951.7	15.5	74.5	354.82	253.1	13.81
08:51:11	29.8	118	3958.7	15.5	74.65	364.95	253.1	13.82

73.499748 480.82504 259.86555 13.885798

Team 35 (both)								
rpm	#yyy-mm-dd	hh:mm:ss	inch		ft msl	deg C	kt	rpm
E1 RPM	Lcl Date	Lcl Time	BaroA		AltMSL	OAT	IAS	E1 RPM
2199.8	3/10/18	08:41:52	29.82	0	3002.5	12.8	84.13	2250.7
2201	3/10/18	08:41:53	29.82	1	3010.3	12.8	84.07	2250.6
2207	3/10/18	08:41:54	29.82	2	3016	12.8	84.09	2251
2203.9	3/10/18	08:41:55	29.82	3	3020.9	12.8	84.38	2251.1
2205.5	3/10/18	08:41:56	29.82	4	3026.5	12.8	84.68	2254.4
2209.2	3/10/18	08:41:57	29.82	5	3031.4	12.8	84.9	2254.4
2204.5	3/10/18	08:41:58	29.82	6	3037.5	12.8	85.07	2254.5
2208.4	3/10/18	08:41:59	29.82	7	3044.7	12.8	85.09	2253.6
2201.2	3/10/18	08:42:00	29.82	8	3051.9	12.8	85.28	2255.1
2200.3	3/10/18	08:42:01	29.82	9	3060.9	12.8	85.01	2254.8
2204	3/10/18	08:42:02	29.82	10	3069.2	12.8	84.95	2255.4
2197.6	3/10/18	08:42:03	29.82	11	3078.3	12.8	84.7	2254.7
2203.8	3/10/18	08:42:04	29.82	12	3087.1	12.8	84.36	2253.7
2203.7	3/10/18	08:42:05	29.82	13	3096.6	12.8	84.06	2251.5
2200.6	3/10/18	08:42:06	29.82	14	3106.8	12.8	83.85	2250.1
2200.8	3/10/18	08:42:07	29.82	15	3116.9	12.8	83.61	2249.6
2203.5	3/10/18	08:42:08	29.82	16	3126	12.8	83.38	2248.4
2197.7	3/10/18	08:42:09	29.82	17	3133.3	12.8	83.27	2247.2
2198.9	3/10/18	08:42:10	29.82	18	3140.1	12.8	83.31	2248.1
2199.7	3/10/18	08:42:11	29.82	19	3146.4	12.8	83.42	2246.1
2196.2	3/10/18	08:42:12	29.82	20	3152.3	12.8	83.57	2248.1
2199.7	3/10/18	08:42:13	29.82	21	3158.4	12.8	83.96	2250.9
2202.8	3/10/18	08:42:14	29.82	22	3164.1	12.8	84.18	2250.6
2199.2	3/10/18	08:42:15	29.82	23	3170.4	12.8	84.33	2253.6
2203	3/10/18	08:42:16	29.82	24	3177.7	12.8	84.55	2253.5
2204.3	3/10/18	08:42:17	29.82	25	3184.8	12.8	84.67	2254.1



2201.1	3/10/18 08:42:18	29.82	26	3191.8	12.8	84.56	2253.8
2201	3/10/18 08:42:19	29.82	27	3199.4	12.8	84.52	2255.4
2206.2	3/10/18 08:42:20	29.82	28	3206.8	12.8	84.62	2254.1
2201.9	3/10/18 08:42:21	29.82	29	3212.6	12.8	84.7	2251.7
2198.3	3/10/18 08:42:22	29.82	30	3219.1	12.8	84.74	2255.2
2201.2	3/10/18 08:42:23	29.82	31	3224.8	12.8	84.5	2253.1
2199.1	3/10/18 08:42:24	29.82	32	3230	12.8	84.92	2258.6
2199.3	3/10/18 08:42:25	29.82	33	3234.6	12.8	84.64	2257.9
2203.3	3/10/18 08:42:26	29.82	34	3239.7	12.8	84.86	2258.7
2198.8	3/10/18 08:42:27	29.82	35	3245.6	12.8	84.86	2260.5
2201.6	3/10/18 08:42:28	29.82	36	3251.4	12.8	84.83	2263.5
2205.7	3/10/18 08:42:29	29.82	37	3257.8	12.8	85.16	2267.3
2204.7	3/10/18 08:42:30	29.82	38	3263.7	12.8	85.33	2264.6
2205	3/10/18 08:42:31	29.82	39	3270.2	13	85.66	2268.1
2206.9	3/10/18 08:42:32	29.82	40	3277.8	13	85.43	2269.5
2211.8	3/10/18 08:42:33	29.82	41	3285	13	85.57	2269

2212.6	3/10/18	08:42:34	29.82	42	3292.5	13	85.46	2268.4
2213.4	3/10/18	08:42:35	29.82	43	3300	13	85.47	2265.9
2217	3/10/18	08:42:36	29.82	44	3307	13	85.57	2267.1
2209	3/10/18	08:42:37	29.82	45	3314.2	13	85.5	2271.3
2216.8	3/10/18	08:42:38	29.82	46	3321.1	13.2	85.96	2271
2209.2	3/10/18	08:42:39	29.82	47	3330	13.2	86.16	2273.6
2212.3	3/10/18	08:42:40	29.82	48	3338.9	13.2	86.16	2273.8
2213.4	3/10/18	08:42:41	29.82	49	3348.5	13.2	85.97	2272.7
2207.2	3/10/18	08:42:42	29.82	50	3358.3	13.2	85.65	2273.5
2209.7	3/10/18	08:42:43	29.82	51	3368.9	13.5	85.47	2274
2205.4	3/10/18	08:42:44	29.82	52	3380.1	13.5	85.36	2272.4
2211.4	3/10/18	08:42:45	29.82	53	3390.5	13.5	84.88	2267.8
2210.7	3/10/18	08:42:46	29.82	54	3400.4	13.5	84.62	2266.5
2210.8	3/10/18	08:42:47	29.82	55	3409.8	13.8	84.56	2265.8
2208.9	3/10/18	08:42:48	29.82	56	3417.4	13.8	84.29	2266
2213.6	3/10/18	08:42:49	29.82	57	3424.4	13.8	84.36	2266
2218.7	3/10/18	08:42:50	29.82	58	3429.3	13.8	84.63	2264.7
2212.8	3/10/18	08:42:51	29.82	59	3435.3	13.8	85.02	2268.3
2219.1	3/10/18	08:42:52	29.82	60	3440.8	14	85.34	2270.7
2218.6	3/10/18	08:42:53	29.82	61	3445	14	85.68	2271.5
2216.4	3/10/18	08:42:54	29.82	62	3449	14	86.11	2274.4
2214.6	3/10/18	08:42:55	29.82	63	3454.5	14	86.85	2277.7
2218.2	3/10/18	08:42:56	29.82	64	3462	14	87.19	2277.1
2214.6	3/10/18	08:42:57	29.82	65	3470.1	14	86.98	2279.3
2211.6	3/10/18	08:42:58	29.82	66	3479.1	14	86.6	2277.1
2213.2	3/10/18	08:42:59	29.82	67	3489.2	14.2	86.43	2274.4
2219.3	3/10/18	08:43:00	29.82	68	3498.4	14.2	86.07	2273.8
2217.5	3/10/18	08:43:01	29.82	69	3507.5	14.2	85.77	2269.5
2210.6	3/10/18	08:43:02	29.82	70	3516.4	14.2	85.8	2270.5
2216.2	3/10/18	08:43:03	29.82	71	3526.2	14.2	85.72	2271.4

2209.6	3/10/18	08:43:04	29.82	72	3535.7	14.2	85.42	2270.6
2211	3/10/18	08:43:05	29.82	73	3545.5	14.5	85.53	2270.9
2210	3/10/18	08:43:06	29.82	74	3555.3	14.5	85.58	2270.5
2211.2	3/10/18	08:43:07	29.82	75	3565.2	14.5	85.35	2268
2212.7	3/10/18	08:43:08	29.82	76	3574.8	14.5	85.13	2268.5
2211.4	3/10/18	08:43:09	29.82	77	3583.2	14.5	84.91	2267.6
2217	3/10/18	08:43:10	29.82	78	3591.6	14.5	84.76	2266.4
2208.6	3/10/18	08:43:11	29.82	79	3599.9	14.5	84.89	2265.6
2209	3/10/18	08:43:12	29.82	80	3606.8	14.5	84.96	2268.2
2210.2	3/10/18	08:43:13	29.82	81	3613.9	14.5	85.12	2266.5
2208.8	3/10/18	08:43:14	29.82	82	3621	14.8	85.3	2268.5
2209.6	3/10/18	08:43:15	29.82	83	3629.3	14.8	85.34	2269.2
2207.7	3/10/18	08:43:16	29.82	84	3638.1	14.8	85.4	2268.2
2210.5	3/10/18	08:43:17	29.82	85	3646.3	14.8	85.44	2269
2206.7	3/10/18	08:43:18	29.82	86	3655.4	14.8	85.44	2269.8

2208.6	3/10/18	08:43:19	29.82	87	3664	14.8	85.4	2271.1
2212.4	3/10/18	08:43:20	29.82	88	3673.6	14.8	85.37	2270.3
2209.5	3/10/18	08:43:21	29.82	89	3681	14.8	85.37	2268.3
2213	3/10/18	08:43:22	29.82	90	3690.1	14.8	85.38	2268.4
2208.5	3/10/18	08:43:23	29.82	91	3699.1	14.8	85.37	2268.9
2208.3	3/10/18	08:43:24	29.82	92	3708.6	14.8	85.36	2269.7
2209.6	3/10/18	08:43:25	29.82	93	3718.1	14.8	85.18	2265.9
2207.7	3/10/18	08:43:26	29.82	94	3727.8	14.8	85.23	2266.9
2210.6	3/10/18	08:43:27	29.82	95	3738.3	14.8	85.16	2266.9
2207.3	3/10/18	08:43:28	29.82	96	3747.7	14.8	85.02	2267.7
2209.1	3/10/18	08:43:29	29.82	97	3756.3	14.8	85.01	2266.1
2206.6	3/10/18	08:43:30	29.82	98	3765.3	14.8	85.04	2269.1
2208.6	3/10/18	08:43:31	29.82	99	3773.4	14.8	85.09	2268.1
2210.6	3/10/18	08:43:32	29.82	100	3782.1	14.8	85.16	2268
2207.1	3/10/18	08:43:33	29.82	101	3787.9	14.8	85.19	2266.9
2206.8	3/10/18	08:43:34	29.82	102	3795.2	14.8	85.38	2266.1
2206.4	3/10/18	08:43:35	29.82	103	3802.5	14.8	85.63	2269.2
2206.2	3/10/18	08:43:36	29.82	104	3810.6	14.8	85.64	2270.7
2210.4	3/10/18	08:43:37	29.82	105	3819.2	14.8	85.66	2271.3
2206.5	3/10/18	08:43:38	29.82	106	3828.1	14.8	85.62	2269.6
2206.3	3/10/18	08:43:39	29.82	107	3838.8	14.8	85.53	2268.5
2210	3/10/18	08:43:40	29.82	108	3849.6	14.8	85.34	2267.1
2205.3	3/10/18	08:43:41	29.82	109	3860.1	14.8	85.2	2267.9
2208.9	3/10/18	08:43:42	29.82	110	3870.8	14.8	85.02	2264.2
2203.7	3/10/18	08:43:43	29.82	111	3879.9	14.8	85	2265.1
2205.4	3/10/18	08:43:44	29.82	112	3889	14.8	85.13	2264.7
2208.4	3/10/18	08:43:45	29.82	113	3894.9	14.8	85.15	2265.6
2204.4	3/10/18	08:43:46	29.82	114	3902	14.8	85.23	2264.3
2207.6974	3/10/18	08:43:47	29.82	115	3908.9	14.8	85.61	2267.8

rpm	3/10/18	08:43:48	29.82	116	3916.2	14.8	85.88	2270.3
E1 RPM	3/10/18	08:43:49	29.82	117	3923.3	14.8	85.96	2270.4
2208.1	3/10/18	08:43:50	29.82	118	3930.6	14.8	85.97	2268.2
2207.8	3/10/18	08:43:51	29.82	119	3939.9	14.8	85.99	2270.6
2209.9	3/10/18	08:43:52	29.82	120	3949.5	14.8	85.95	2270.2
2204.4	3/10/18	08:43:53	29.82	121	3959.1	14.8	85.67	2266
2204.7	3/10/18	08:43:54	29.82	122	3969.4	14.8	85.44	2266.7
2205.1	3/10/18	08:43:55	29.82	123	3979.6	14.8	85.25	2262.9
2205.3	3/10/18	08:43:56	29.82	124	3990.4	14.8	84.98	2263.7
2203.6	3/10/18	08:43:57	29.82	125	3998.2	14.8	84.8	2264
2204.9 climb 2							85.13754	2264.3484
2197.6	43169	08:47:17	29.82	0	2999.6	13	84.92	2259.6
2199.2	43169	08:47:18	29.82	1	3006.8	12.8	84.93	2259.8
2203.2	43169	08:47:19	29.82	2	3014.1	12.8	85.03	2262.8
2200.4	43169	08:47:20	29.82	3	3022.1	12.8	85.22	2261.2
2201.5	43169	08:47:21	29.82	4	3030.1	12.8	85.27	2261.9

2209.2	43169	08:47:22	29.82	5	3038.4	12.8	85.39	2262.7
2205.6	43169	08:47:23	29.82	6	3047.5	12.8	85.32	2261.9
2210.7	43169	08:47:24	29.82	7	3057.1	12.8	85.66	2263.1
2210.3	43169	08:47:25	29.82	8	3067.2	12.8	85.79	2263.2
2215.9	43169	08:47:26	29.82	9	3077.2	12.8	85.84	2262.9
2214	43169	08:47:27	29.82	10	3088.1	12.8	85.76	2263.9
2217.7	43169	08:47:28	29.82	11	3099.6	12.8	85.43	2262.9
2218.4	43169	08:47:29	29.82	12	3111.3	12.8	85.13	2262.9
2212.7	43169	08:47:30	29.82	13	3121.6	12.8	84.97	2261.8
2221.7	43169	08:47:31	29.82	14	3132.6	12.8	84.84	2259.5
2217	43169	08:47:33	29.82	15	3151.1	12.8	84.76	2260.5
2220.1	43169	08:47:34	29.82	16	3159.5	12.8	84.72	2258.6
2217.9	43169	08:47:35	29.82	17	3167.6	12.8	84.84	2259.5
2223.1	43169	08:47:36	29.82	18	3175.3	12.8	84.92	2261.4
2221	43169	08:47:37	29.82	19	3182.8	12.8	85.02	2261.1
2218	43169	08:47:38	29.82	20	3189.9	12.8	85.16	2265.1
2217	43169	08:47:39	29.82	21	3197	12.8	85.6	2265.6
2218	43169	08:47:40	29.82	22	3205.5	12.8	85.73	2268.1
2216.5	43169	08:47:41	29.82	23	3214.8	12.8	85.8	2267.7
2217.3	43169	08:47:42	29.82	24	3225	12.8	85.9	2269.7
2218.6	43169	08:47:43	29.82	25	3237.1	12.8	86.11	2273.7
2219	43169	08:47:44	29.82	26	3249.6	12.8	85.85	2273.7
2218.1	43169	08:47:45	29.82	27	3264.9	12.8	86.09	2274.8
2219.2	43169	08:47:46	29.82	28	3278.7	12.8	85.91	2275.6
2215.9	43169	08:47:47	29.82	29	3293.3	12.8	85.38	2276.8
2220.4	43169	08:47:48	29.82	30	3307.3	13	84.87	2272.9
2213.8	43169	08:47:49	29.82	31	3320	13	84.23	2270.9
2224.5	43169	08:47:50	29.82	32	3330.2	13	84.04	2271.7
2211.8	43169	08:47:51	29.82	33	3339.9	13	83.98	2269.6
2213.5	43169	08:47:52	29.82	34	3349.7	13	83.81	2267.9

2212.9	43169	08:47:53	29.82	35	3358.7	13	83.68	2268.7
2211.6	43169	08:47:54	29.82	36	3366.9	13.2	83.74	2269.4
2215.8	43169	08:47:55	29.82	37	3374.5	13.2	83.9	2266.9
2217.1	43169	08:47:56	29.82	38	3381.5	13.2	84.13	2269.3
2216.6	43169	08:47:57	29.82	39	3388.7	13.2	84.4	2270.3
2210.5	43169	08:47:58	29.82	40	3394.2	13.2	84.64	2274
2212.5	43169	08:47:59	29.82	41	3400.3	13.5	84.86	2273.8
2210.2	43169	08:48:00	29.82	42	3406.1	13.5	85.09	2275.1
2209.7	43169	08:48:01	29.82	43	3412.4	13.5	85.28	2275.9
2211.4	43169	08:48:02	29.82	44	3418.3	13.5	85.31	2273.7
2209.7	43169	08:48:03	29.82	45	3424.5	13.5	85.55	2275.5
2215.4	43169	08:48:04	29.82	46	3431.9	13.8	85.69	2275.5
2213.5	43169	08:48:05	29.82	47	3439.2	13.8	85.86	2275.5
2214.6	43169	08:48:06	29.82	48	3446.7	13.8	86.13	2275.3
2210.9	43169	08:48:07	29.82	49	3454.8	13.8	86.36	2276.8
2213.2	43169	08:48:08	29.82	50	3462.6	13.8	86.54	2277.2

2215.1	43169	08:48:09	29.82	51	3471.3	14	86.54	2279.5
2217.5	43169	08:48:10	29.82	52	3478.8	14	86.81	2282.6
2214.5	43169	08:48:11	29.82	53	3487.9	14	86.98	2283.9
2215.4	43169	08:48:12	29.82	54	3497.2	14	87.46	2283.5
2212.9	43169	08:48:13	29.82	55	3507.4	14	87.4	2283.1
2215.9	43169	08:48:14	29.82	56	3519.2	14	87.16	2283.1
2219.2	43169	08:48:15	29.82	57	3529.8	14	86.91	2280.2
2214.4	43169	08:48:16	29.82	58	3541	14.2	86.38	2277.6
2220.7	43169	08:48:17	29.82	59	3551.8	14.2	86.01	2277.6
2210.3	43169	08:48:18	29.82	60	3562.2	14.2	85.64	2275.8
2216.2	43169	08:48:19	29.82	61	3571.5	14.2	85.37	2276.6
2215.6	43169	08:48:20	29.82	62	3580.6	14.2	85.21	2274.4
2214.3	43169	08:48:21	29.82	63	3588.4	14.2	85.2	2272.8
2207.2	43169	08:48:22	29.82	64	3595.3	14.5	85.38	2273.4
2209.7	43169	08:48:23	29.82	65	3602	14.5	85.48	2274.2
2212.5	43169	08:48:24	29.82	66	3608.6	14.5	85.51	2274.9
2209	43169	08:48:25	29.82	67	3615.7	14.5	85.6	2272
2214.1	43169	08:48:26	29.82	68	3622.6	14.5	85.64	2274.3
2210.3	43169	08:48:27	29.82	69	3630.3	14.5	85.68	2274.9
2210.8	43169	08:48:28	29.82	70	3638.4	14.5	85.48	2275.8
2209.5	43169	08:48:29	29.82	71	3647.1	14.5	85.32	2277.1
2211.3	43169	08:48:30	29.82	72	3655.6	14.8	85.32	2275
2214.5	43169	08:48:31	29.82	73	3665.2	14.8	85.28	2273.5
2206.8	43169	08:48:32	29.82	74	3674.7	14.8	85.08	2273.9
2213.4	43169	08:48:33	29.82	75	3685.3	14.8	84.9	2273.6
2210.3	43169	08:48:34	29.82	76	3693.8	14.8	84.69	2273.6
2212.6	43169	08:48:35	29.82	77	3703.1	14.8	84.55	2269.9
2209.3	43169	08:48:37	29.82	78	3718.3	14.8	84.43	2268.9
2211.2	43169	08:48:38	29.82	79	3725.5	14.8	84.36	2266.7
2214.1	43169	08:48:39	29.82	80	3732.1	14.8	84.53	2266.2
2210.1	43169	08:48:40	29.82	81	3739.3	14.8	84.66	2269.4



2213	43169	08:48:41	29.82	82	3745.9	14.8	84.86	2271
2208.5	43169	08:48:42	29.82	83	3752.9	14.8	85	2271.2
2210.6	43169	08:48:43	29.82	84	3760.1	14.8	84.91	2269.9
2210.5	43169	08:48:44	29.82	85	3768.2	14.8	84.91	2269
2211	43169	08:48:45	29.82	86	3776	14.8	84.87	2270
2214.5	43169	08:48:46	29.82	87	3782.5	14.8	84.76	2270.1
2215.8	43169	08:48:47	29.82	88	3789.1	14.8	84.86	2268.5
2211.7	43169	08:48:48	29.82	89	3795.6	14.8	84.74	2268.5
2211.3	43169	08:48:49	29.82	90	3802.1	14.8	84.65	2268.7
2208.4	43169	08:48:50	29.82	91	3808.6	14.8	84.53	2268.4
2206.4	43169	08:48:51	29.82	92	3814.5	14.8	84.61	2267.7
2206	43169	08:48:52	29.82	93	3821.6	14.8	84.55	2265.4
2212.3	43169	08:48:53	29.82	94	3828	14.8	84.7	2267.7
2207.7	43169	08:48:54	29.82	95	3834.3	14.8	84.77	2267.4
2209.1	43169	08:48:55	29.82	96	3840.5	14.8	84.92	2269.5
2209.1	43169	08:48:56	29.82	97	3848.1	14.8	85.02	2267.6

2215.2	43169	08:48:57	29.82	98	3856.3	14.8	85.04	2269.5
2212.3	43169	08:48:58	29.82	99	3864.6	14.8	84.95	2269.8
2205.9	43169	08:48:59	29.82	100	3872.9	14.8	84.89	2267.3
2211.8	43169	08:49:00	29.82	101	3880.8	14.8	84.9	2266.9
2208.7	43169	08:49:01	29.82	102	3889.1	14.8	84.72	2268.3
2209.5	43169	08:49:02	29.82	103	3897	14.8	84.69	2267.5
2210.6	43169	08:49:03	29.82	104	3904.7	14.8	84.73	2268
2212.6	43169	08:49:04	29.82	105	3911.8	14.8	84.62	2266.8
2213	43169	08:49:05	29.82	106	3918.9	14.8	84.72	2266.9
2211.2	43169	08:49:06	29.82	107	3926.4	14.8	84.77	2266.6
2215.8	43169	08:49:07	29.82	108	3933.1	14.8	84.74	2264.4
2209.7	43169	08:49:08	29.82	109	3940.3	14.8	84.79	2264
2212.2613	43169	08:49:09	29.82	110	3948.3	14.8	84.84	2265.7
	43169	08:49:10	29.82	111	3956.9	14.8	84.83	2267
	43169	08:49:11	29.82	112	3964.6	14.8	84.81	2264.9
	43169	08:49:12	29.82	113	3973.4	14.8	84.83	2270.5
	43169	08:49:14	29.82	114	3987.7	14.8	85.05	2268.6
	43169	08:49:15	29.82	115	3995.3	14.8	85.27	2270.2
	43169	08:49:16	29.82	116	4002.5	14.8	85.28	2270.4
							85.192051	2269.9983

Team 36 (both)

kt	Time, LCL	Time, sec	Altitude, ft	Ind. A/S, kts	VVI, ft/min	Fuel Flow, g	RPM
TAS	11:16:22	0	3497.4	85.01	618.71	13.9	2230
89	11:16:23	1	3505.1	84.62	561.85	13.92	2235.4
89	11:16:24	2	3510.1	84.5	488.66	13.95	2238.4
89	11:16:25	3	3514	84.42	377.28	13.85	2236.7
89	11:16:26	4	3518	84.65	290.49	13.9	2231.2
89	11:16:27	5	3520.9	85.08	258.03	13.96	2238.7
89	11:16:28	6	3523.9	85.4	235.28	13.91	2243
90	11:16:29	7	3527.6	85.7	220.82	13.99	2239.2
90	11:16:30	8	3532.4	85.96	238.02	14.01	2241.2
90	11:16:31	9	3537.5	86.01	252.5	13.79	2251.4
90	11:16:32	10	3542.6	85.98	266.55	13.44	2249.8
90	11:16:33	11	3549	86.01	291.03	13.1	2252.2
89	11:16:34	12	3555.2	86.06	312.28	12.59	2265.1
89	11:16:35	13	3561.6	86.37	345.22	12.31	2261.9
89	11:16:36	14	3567.4	86.55	345.8	12.18	2267.6
88	11:16:37	15	3574.1	86.38	330.5	12.21	2274.9
88	11:16:38	16	3581.5	86.54	361.2	12.1	2275.7
88	11:16:39	17	3589.4	86.53	395.47	12.11	2280.1
88	11:16:40	18	3596.7	86.47	420.04	12.12	2280.6
88	11:16:41	19	3603.4	86.49	452.03	12.11	2272.9
88	11:16:42	20	3610.2	86.71	475.04	12.06	2276.7
88	11:16:43	21	3617	86.66	440.45	12.18	2269.4
89	11:16:44	22	3624.1	86.6	410.41	12.14	2269.9
89	11:16:45	23	3631.3	87	431.29	12.03	2274
89	11:16:46	24	3638.7	87.16	420.78	12.09	2270.5
89	11:16:47	25	3645.4	87.19	414.43	12.17	2282.9
89	11:16:48	26	3652	87.51	395.7	12.17	2277.3
89	11:16:49	27	3659	88.19	349.77	11.93	2277.8

89	11:16:50	28	3665.2	87.34	362.96	12.09	2274.3
89	11:16:51	29	3671.3	88.51	466.22	12.06	2278.7
90	11:16:52	30	3675.7	89.03	408.91	12.13	2282.2
90	11:16:53	31	3680.1	89.01	321.27	11.93	2293.8
89	11:16:54	32	3684.4	89.71	327.07	12.07	2290.5
90	11:16:55	33	3688.6	89.95	308.01	11.95	2290.9
90	11:16:56	34	3692.1	90.65	277.91	11.87	2300.5
90	11:16:57	35	3696.6	91.04	255.13	12.02	2288.1
90	11:16:58	36	3703.2	91.61	285.84	11.92	2295.3
90	11:16:58	37	3711.7	91.73	298.42	11.94	2294.6
90	11:17:00	38	3722	91.38	356.42	11.98	2295.3
90	11:17:01	39	3733.3	90.84	443.95	11.94	2290.2
91	11:17:02	40	3744.7	90.52	547.72	11.97	2285
90	11:17:02	41	3755.5	89.69	587.28	12.01	2289.8
91	11:17:04	42	3767.5	89.45	624.74	11.95	2286.9

91	11:17:05	43	3777.7	88.98	658.64	11.97	2286.3
91	11:17:06	44	3788	88.7	683.77	11.97	2286.1
91	11:17:07	45	3797.7	88.46	655.39	12.05	2292.3
91	11:17:08	46	3806.9	88.2	604.48	12.04	2281.2
91	11:17:09	47	3815.7	87.81	562.24	11.99	2278
91	11:17:10	48	3825.1	87.71	523.56	12.05	2279.1
91	11:17:11	49	3834.8	87.57	515.69	11.89	2277.2
91	11:17:12	50	3843.7	87.43	512.14	11.95	2285.5
91	11:17:13	51	3852.7	87.19	512	11.97	2273.7
91	11:17:14	52	3861.8	87.21	521.92	11.94	2275.6
91	11:17:15	53	3869.9	87.05	527.13	11.99	2275.3
90	11:17:16	54	3879.2	86.72	504.09	11.93	2280.4
90	11:17:16	55	3887.4	86.48	508.93	11.95	2273.2
90	11:17:18	56	3897.4	86.28	529.72	12.02	2266.8
90	11:17:19	57	3904.9	86.2	547.96	12	2269.6
90	11:17:19	58	3912.5	86.19	531.38	11.94	2266.6
90	11:17:20	59	3920.1	86.26	497.39	11.89	2272.8
90	11:17:22	60	3927.7	86.37	470.77	12	2273.7
91	11:17:23	61	3934.4	86.45	436.62	11.97	2267.2
91	11:17:24	62	3940.9	86.69	416.9	11.83	2269.7
92	11:17:24	63	3946.5	86.89	396.4	11.4	2280.8
92	11:17:26	64	3952.3	87.11	375.58	11.35	2274.5
93	11:17:26	65	3957.7	87.42	368.27	11.38	2281.5
93	11:17:28	66	3963.1	87.62	354.83	11.41	2278.4
92	11:17:29	67	3967.7	87.89	333.83	11.27	2288.8
92	11:17:30	68	3974.3	88.13	327.48	11.27	2290.5
92	11:17:30	69	3980.5	88.33	344.51	11.23	2279.7
91	11:17:32	70	3987.8	88.31	350.02	11.24	2283.3
91	11:17:33	71	3995.8	88.28	377.91	11.37	2281
91	11:17:34	72	4010.5	88.21	425.36	11.31	2285.3

91	11:17:36	73	4018.5	88.13	443.75	11.23	2279.8
91	11:17:37	74	4026.6	88.1	447.84	11.44	2284.9
91	11:17:37	75	4034.5	87.99	462.41	11.34	2278.4
91	11:17:39	76	4042.4	87.84	450.42	11.33	2285.1
91	11:17:40	77	4052.4	87.91	473.61	11.38	2279.8
91	11:17:40	78	4060.2	87.77	479.75	11.38	2279.7
91	11:17:41	79	4068.8	87.66	479.99	11.21	2276.6
91	11:17:43	80	4077.4	87.64	489.92	11.12	2282.4
91	11:17:43	81	4085.9	87.53	500.54	11.13	2282.9
91	11:17:44	82	4094	87.3	494.41	11.12	2279.9
91	11:17:46	83	4100.3	87.21	466.95	11.12	2281.7
91	11:17:47	84	4108.2	87.04	455	11.18	2275.8
91	11:17:47	85	4117.1	86.81	448.31	11.17	2276.6
91	11:17:49	86	4126.6	86.68	478.07	11.19	2271.9
91	11:17:50	87	4136	86.45	512.94	11.09	2269.8

91	11:17:50	88	4144.9	86.23	537.19	11.19	2272.7
91	11:17:52	89	4155.3	86.11	543.77	11.2	2268.5
91	11:17:53	90	4163.3	86.13	525.95	11.14	2275.8
91	11:17:55	91	4177.2	86.21	465.9	10.94	2283.1
91	11:17:56	92	4183.3	86.38	447.75	11.11	2281.3
91	11:17:56	93	4188.9	86.54	408.5	10.94	2280.7
91	11:17:57	94	4192.4	86.82	357.99	11.13	2275.6
91	11:17:59	95	4197.3	87.31	318.54	11.06	2286.3
91	11:17:59	96	4201.8	87.5	275.4	11.05	2275.1
91	11:18:00	97	4206.2	87.87	259.57	11.09	2283.1
91	11:18:02	98	4211.3	88.17	266.48	11.04	2283.3
91	11:18:02	99	4216.5	88.2	272.38	11.11	2288.1
91	11:18:03	100	4223.5	88.25	295.89	11.03	2285.3
91	11:18:05	101	4230.5	88.27	340.05	11.18	2282.7
91	11:18:05	102	4239.9	88.09	400.84	11.09	2280.4
92	11:18:06	103	4249.2	88.04	461.16	11.1	2283.5
92	11:18:08	104	4258.8	87.74	513.56	11.04	2284.4
92	11:18:08	105	4268	87.5	527.36	11.03	2279.2
92	11:18:09	106	4278.2	87.21	536.55	11.12	2278.6
92	11:18:11	107	4288.3	87	543.66	11.12	2275.8
92	11:18:11	108	4298.1	86.64	532.59	11.12	2275.9
92	11:18:12	109	4307.2	86.45	538.91	11.1	2273.7
91	11:18:14	110	4316.8	86.3	545.97	11.13	2272.5
91	11:18:14	111	4326.4	85.98	542.72	11.02	2266.7
91	11:18:15	112	4334.8	85.75	536.58	10.98	2272
91	11:18:17	113	4342.3	85.61	517.49	11.03	2264.5
91	11:18:17	114	4349.7	85.71	499.35	10.98	2268.3
92	11:18:18	115	4357	85.76	479.03	11.11	2268.2
92	11:18:20	116	4363.4	86.05	465.97	11.02	2267.2
92	11:18:20	117	4369	86.38	443.3	11.02	2267.4

92	11:18:21	118	4375.3	86.62	412.76	10.99	2276.8
92	11:18:23	119	4382.1	86.98	389.19	11.01	2273.1
92	11:18:23	120	4387.6	87.13	364.09	10.96	2274.2
92	11:18:25	121	4393.2	87.44	352.45	11.06	2282.8
92	11:18:26	122	4397.5	87.63	338.97	10.95	2286.5
92	11:18:26	123	4400.8	87.97	299.18	11	2281.3
92	11:18:28	124	4404.8	88.45	260.02	11	2283.3
91	11:18:29	125	4407.2	88.98	253.32	11.07	2286
91	11:18:29	126	4411	89.32	231.74	11.05	2289.6
90.579365	11:18:31	127	4415.7	89.67	213.05	11.02	2296.5
89	11:18:31	128	4421	89.89	241.07	11.06	2288
89	11:18:32	129	4427.1	90	284.43	11.01	2293.5
90	11:18:34	130	4431.7	90.1	330.49	11.04	2285.5
90	11:18:34	131	4437.5	90.15	333.2	11.06	2289.6
90	11:18:35	132	4442.4	90.33	323.78	10.55	2283.1



90	11:18:37	133	4446.8	90.56	318.81	9.22	2255.1
90	11:18:37	134	4449.9	90.8	322.79	8.05	2198.2
90	11:18:39	135	4451.6	90.91	307.77	6.77	2097.4
90	11:18:40	136	4452.6	90.94	251.42	5.95	1991
91	climb 2			87.56554745	415.7608	11.591898	2271.908
90	Time, LCL	Time, sec	Altitude, ft	Ind. A/S, kts	VVI, ft/min	el Flow, gal	RPM
90	11:20:35	0	3283.1	88.34	-67.34	11.62	2264.6
90	11:20:35	1	3288.4	89.06	16.53	11.31	2282.4
90	11:20:37	2	3295.5	89.3	147.46	11.33	2287.9
90	11:20:37	3	3304.6	89.32	291.17	11.37	2292.8
90	11:20:39	4	3314.5	89.54	418.35	11.31	2296.4
90	11:20:39	5	3326.7	89.3	502.44	11.33	2291.8
90	11:20:41	6	3337	89.23	551.41	11.4	2286.8
90	11:20:41	7	3348.1	88.58	564.48	11.35	2298.5
90	11:20:43	8	3359.7	87.99	590.33	11.45	2283
90	11:20:44	9	3371.5	87.69	638.12	11.41	2278.7
90	11:20:44	10	3384	87.52	681.72	11.39	2275.8
91	11:20:46	11	3395.4	87.29	702.93	11.42	2278
91	11:20:46	12	3407.9	87.3	709.92	11.42	2285.3
91	11:20:48	13	3420.2	86.71	715.79	11.44	2286.7
91	11:20:48	14	3432.9	85.99	717.52	11.44	2271.2
91	11:20:50	15	3445.9	85.56	751.99	11.46	2286.2
91	11:20:50	16	3456.2	84.89	752.13	11.36	2268.8
91	11:20:52	17	3466.9	84.73	738.12	11.41	2271.1
90	11:20:52	18	3475	84.94	676.26	11.42	2275.6
90	11:20:54	19	3487.5	85.19	449.73	11.44	2276.7
89	11:20:56	20	3494.3	85.58	420.12	11.45	2273.8
89	11:20:56	21	3502.6	85.76	407.1	11.23	2271.2
89	11:20:58	22	3509	85.78	411	11.27	2285
89	11:20:58	23	3516.5	85.79	431.42	11.3	2272.1

89	11:21:00	24	3524	85.91	462.17	11.33	2280.1
89	11:21:00	25	3530.3	86.08	463.93	11.26	2291
89	11:21:02	26	3536.6	86.32	450.04	11.23	2276.3
89	11:21:03	27	3543.5	86.23	422.02	11.48	2288.5
90	11:21:03	28	3552.6	86.1	399.6	11.33	2284.3
90	11:21:05	29	3561.1	86.17	399.39	11.24	2281.1
90	11:21:05	30	3569.6	86.2	433.82	11.36	2290.6
90	11:21:07	31	3577.5	86.38	468.07	11.33	2282.3
91	11:21:07	32	3585.3	86.5	486.91	11.35	2279.9
91	11:21:09	33	3593.7	86.48	480.43	11.28	2278.9
91	11:21:09	34	3599.4	86.47	458.59	11.24	2293
91	11:21:11	35	3607	86.73	456.87	11.26	2289
91	11:21:11	36	3614.7	87.08	479.41	11.28	2289.4
92	11:21:13	37	3621.5	87.24	454.15	11.28	2293
92	11:21:13	38	3628	87.59	431.1	11.1	2292
92	11:21:15	39	3633.8	88.02	428.82	11.25	2287.9

92	11:21:15	40	3642.3	88.51	417.84	11.02	2298.6
92	11:21:17	41	3649.1	88.66	389.7	11.23	2301.5
93	11:21:17	42	3656.6	88.94	396.19	11.12	2291.2
93	11:21:19	43	3664	89.09	406.01	11.27	2289.9
93	11:21:19	44	3671.7	89.21	416.52	11.17	2299.4
93	11:21:21	45	3681.4	89.42	445.57	11.12	2292.1
93	11:21:21	46	3688.8	89.39	473.65	11.09	2310.3
92	11:21:23	47	3698.2	89.46	508.39	11.06	2292.3
92	11:21:23	48	3708	89.51	547.11	11.12	2290.4
91	11:21:25	49	3717.1	89.11	546.12	11.24	2293.6
91	11:21:25	50	3726	88.97	533.07	11.2	2291.2
91	11:21:26	51	3734.4	89.63	564.37	11.08	2304.3
91	11:21:28	52	3745.2	88.93	535.29	11.12	2289.5
91	11:21:28	53	3754.2	88.9	535.18	11.08	2291.6
91	11:21:30	54	3763.9	88.97	536.15	11.04	2290.8
91	11:21:30	55	3772.9	89.31	549.45	11.12	2305.3
91	11:21:32	56	3782	89.42	570.27	11.03	2305.8
91	11:21:32	57	3792.2	89.43	556.16	11.15	2294.7
92	11:21:34	58	3800.4	89.43	536.53	10.99	2290.7
91	11:21:34	59	3809.4	89.39	516.98	11.08	2292.3
91	11:21:36	60	3818.9	89.84	536.49	10.96	2306.2
91	11:21:36	61	3827.8	90.16	557.11	11.05	2292.5
91	11:21:38	62	3836.8	90.28	567.09	11.11	2307.4
91	11:21:39	63	3845.4	90.42	573.92	11	2295.8
91	11:21:39	64	3856.5	90.36	539.29	11	2298.5
91	11:21:41	65	3866.7	90.21	539.87	11.1	2299.8
91	11:21:41	66	3877.3	89.87	552.91	11.08	2295.8
90	11:21:43	67	3887.5	89.64	573.52	11.12	2295
90	11:21:43	68	3897.1	89.48	572.89	11.04	2291.3
91	11:21:45	69	3907.4	89.38	579.17	11	2305.1
91	11:21:45	70	3916.3	89.38	591.29	11.12	2287.8

91	11:21:47	71	3926.9	89.36	582.19	11.22	2292
91	11:21:47	72	3937.8	89.37	597.96	11.06	2293
91	11:21:48	73	3949	89.25	615.63	11.13	2284.6
91	11:21:50	74	3960.8	89.1	634.21	11.09	2295.9
91	11:21:50	75	3971	89.11	650.41	11.15	2302.4
91	11:21:52	76	3983.8	88.93	655.69	11.17	2287.1
91	11:21:52	77	3995.2	88.9	655.99	11.06	2289.9
91	11:21:54	78	4006.4	88.81	656.83	10.97	2297.2
91	11:21:54	79	4017.3	88.63	656.17	10.98	2292.1
91	11:21:56	80	4027.8	88.66	646.13	11.1	2284.5
91	11:21:57	81	4037.8	88.62	625.6	11.09	2284.9
91	11:21:57	82	4044.9	88.68	595.08	11.14	2283.6
91	11:21:59	83	4054.8	88.77	555.4	10.97	2281.7
91	11:21:59	84	4064	89.01	544.05	11.07	2292.9
91	11:22:01	85	4072.7	89.33	544	11.1	2290.8
91	11:22:01	86	4081	89.46	530.82	11.04	2299.6

91	11:22:03	87	4088.5	89.58	513.24	11.07	2290.3
91	11:22:03	88	4097.8	89.77	511.15	10.99	2294.1
91	11:22:04	89	4104.9	90.06	503.87	10.99	2293.3
91	11:22:06	90	4113.4	90.16	484.47	10.97	2298.7
91	11:22:06	91	4121.8	90.37	494.81	10.97	2297.8
91	11:22:08	92	4130.1	90.42	495.96	11.02	2299.9
91	11:22:08	93	4139	90.53	496	11.08	2302.1
91	11:22:10	94	4146.3	90.74	496	10.91	2296.9
91	11:22:10	95	4154.9	90.9	495.39	10.97	2298.1
91	11:22:11	96	4163.2	90.9	480.01	11.02	2299.8
91	11:22:13	97	4172.2	90.71	466.45	10.98	2300.1
91	11:22:13	98	4181.3	90.62	467.71	11.05	2307.8
91	11:22:15	99	4189.4	90.56	488.48	10.94	2301.5
91	11:22:15	100	4199.4	90.57	520.55	10.99	2296.8
91	11:22:17	101	4207.7	90.41	514.84	11	2291.7
91	11:22:18	102	4216.3	90.37	512.26	10.92	2310.1
91	11:22:18	103	4225.1	90.27	526.65	10.92	2293.5
92	11:22:20	104	4234.5	90.22	533.91	10.92	2296.9
92	11:22:20	105	4244.6	90.13	543.5	10.89	2292.2
90.769231	11:22:22	106	4253.3	89.97	534.07	10.91	2291.5
	11:22:23	107	4262.8	89.87	528.25	10.96	2288.2
	11:22:23	108	4271.7	89.77	515.99	10.91	2286.2
	11:22:25	109	4279.8	89.78	512.18	10.95	2284.1
	11:22:25	110	4287.6	89.74	503.91	10.97	2286.6
	11:22:27	111	4294.1	89.68	494.91	10.86	2295
	11:22:27	112	4301.5	89.57	459.43	10.9	2297.5
	11:22:28	113	4307.9	89.67	433.57	10.82	2287.8
	11:22:30	114	4314.7	89.79	417.08	11.02	2291.6



11:22:30

115

4321.5

90

416.03

10.96

2294.7













