

ANNEX H
to
CRITIQUE OF ALL NASA MARS WEATHER DATA, WITH EMPHASIS ON PRESSURE:
Calibration Efforts for the Mars Pathfinder Tavis Pressures Transducer and
IMP Windssock Experiment:

Unlike the earlier Annexes of this report that highlighted an audit of Viking pressures and instrumentation sent to Mars, this Annex focuses on Pathfinder. It quotes verbatim the NASA Planetary Data System with respect to problems encountered during calibration of the Pathfinder Tavis Pressure Sensor. It then reformats data dealing with attempts to calibrate a set of three windssocks on the Imager for Mars Pathfinder (IMP) sent to Mars aboard the Pathfinder.

1. Calibration Efforts for the Mars Pathfinder Tavis Pressures Transducer. While the following text does not prove that the MPF transducer was broken beyond repair before it was even sent to Mars, it does indicate that there were concerns about its accuracy. These concerns are not related to dust clogging the air tube or pressure filter, but they do indicate that the pre-launch care assigned to the transducer was far from optimal. The text is taken from http://starbrite.jpl.nasa.gov/pds/viewInstrumentProfile.jsp?INSTRUMENT_ID=ASIMET&INSTRUMENT_HOST_ID=MPFL:

*“The Tavis pressure sensors used by ASI/MET are sensitive to temperature and must be calibrated to correct for this dependence. **During pre-launch calibration, both the flight and flight spare pressure sensors were inadvertently exposed to temperatures 30 K below their design limits.** This produced changes in sensor offset of several tenths of a mbar, and increased the variation of offset with temperature by a factor of 7 relative to the original calibration. These changes were not noticed until spacecraft thermal vacuum*

testing and by the time they were understood, it was too late to procure new sensors. It was therefore decided to fly the flight sensor and use cruise phase health check measurements to calibrate the temperature dependence of offset.

As sensor gain calibration was not possible during the mission, it was assumed the gain had not changed. Limited pre-flight measurements and more extensive calibration of the flight spare sensor suggested that the effects of gain changes on pressure measurements at 7 mbar were 6-8 times smaller than those of offset changes.

During the nominal landed mission, the ASI/MET pressure sensor experienced diurnal temperature variations of 265-300 K. These introduced large, spurious, components to the diurnal pressure cycle, due to the temperature variation of sensor offset, which had to be removed using calibration data. In cruise, it was only possible to calibrate flight sensor pressure offset in the 270-280 K temperature range. These data indicated a temperature dependence of -0.019 mbar/K. This was the temperature dependence assumed in [SCHOFIELDETAL1997].

However, after the mission, the offset calibration was revisited. It was found that the cruise offset measurements were influenced by long term changes (over 6 months) as well as temperature dependent changes. Offset measurements over the 270-280 K range made during the 90 minutes before entry eliminated the long term drift and indicated a temperature dependence of -0.0135 mbar/K - a smaller dependence than the cruise offset measurements.

Late in the landed mission when the spacecraft was off overnight and took data only during the day, the sensor temperature and measured pressure cycles were observed to be very similar from day to day (with the exception of the slow seasonal increase in pressure). However, during the four 24 hour, 4 second sampling sequences (sols 32, 38, 55, and 68), pressure sensor temperatures often differed by 15 K for the same time of day. This is because at the beginning of the sequence the spacecraft had been off all night, while at the end of the sequence it had been on all night. The -0.019 mbar/K temperature coefficient did not produce repeatable pressure cycles under these conditions but the -0.0135 mbar/K coefficient did, providing additional support for the pre-entry result. The pressure cycle data also suggested that this offset coefficient was valid over the 260-310 K temperature range.”

2. Calibration Efforts for the Mars Pathfinder Tavis Pressures Transducer and IMP Windsock Experiment.

The data below was obtained from simulations on Earth. To read about what actually happened when the IMP reached Mars, see Sullivan, R., et al. (2000) at <http://www.lpi.usra.edu/meetings/lpsc2000/pdf/1853.pdf>. There was an unfortunate lack of wind for much of Pathfinder’s short life. The lander only encountered significant winds on its sols 13, 50, 52, and 58. Of these sols, MPF pressures were only available for sol 13. There was no anemometer on Phoenix, and MSL’s Boom 1 with a hot-wire anemometer failed when it was struck with a rock during landing. This means that effectively only the Vikings provided meaningful wind data.

The Pathfinder data below is taken from http://starbrite.jpl.nasa.gov/pds/viewInstrumentProfile.jsp?INSTRUMENT_ID=WINDS

[OCK&INSTRUMENT_HOST_ID=MPFL](#).

Note that two thirds of the calibration efforts were for terrestrial pressure of 1,015 mbar while the remainder was at ~15 mbar, and **no intermediate pressures were considered or tested that might represent dust storms**. On the pages to follow, all Earthlike pressures are on the left in blue, Mars-like pressures are on the right in Orange. The data selected was:

AZ = Strut Azimuth: Strut azimuth of 0 deg extends the windsock strut ahead of the mast, into the wind; 180 deg azimuth extends the windsock strut directly downwind of the mast, placing the windsock in the mast wake. Strut azimuth increases clockwise when viewed from overhead.

Date and time of exposure of windsock picture.

T = Temperature (K): Approximate temperature of the atmosphere

P = Pressure (mb): Atmospheric pressure in millibars. Pressures for one-atmosphere exposures are approximated as 1015 mb.

FS = Fan Speed (Hz): For one-atmosphere exposures only, the speed setting of the wind tunnel fan.

U = Wind Speed (m/s): Wind speed in meters/second recorded by the laser-Doppler velocimeter.

DA1=Deflection Angle (deg) of the windsock from vertical measured from picture.

DA2 = Deflection Angle (trial 2) (deg): A second trial measurement, from the original film, of deflection of the windsock from vertical.

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1	60	8	7	33	293	1015	45	8.38	85.5	86
2	60	8	7	34	293	1015	32	6.09	81	80
3	60	8	7	35	293	1015	28	5.35	78	77
4	60	8	7	36	293	1015	24	4.61	72	72
5	60	8	7	37	293	1015	22	4.23	70	70
6	60	8	7	38	293	1015	20	3.85	65.5	66
7	60	8	7	39	293	1015	18	3.47	59.1	60
8	60	8	7	40	293	1015	16	3.08	51.6	52
9	60	8	7	41	293	1015	15	2.88	46.2	47
10	60	8	7	42	293	1015	14	2.69	43.5	44
11	60	8	7	43	293	1015	13	2.49	35	35
12	60	8	7	44	293	1015	12	2.29	28.5	28
13	60	8	7	45	293	1015	11	2.1	20.5	21
14	60	8	7	46	293	1015	10	1.9	18.1	19
15	60	8	7	47	293	1015	9	1.7	15.6	16
16	60	8	7	48	293	1015	8	1.5	13.5	14
17	60	8	7	49	293	1015	7	1.29	11.5	12
18	60	8	7	50	293	1015	6	1.09	9	10
19	60	8	7	51	293	1015	0	0	4.5	5
20	60	8	7	55	293	1015	6	1.09	6.5	7
21	60	8	7	56	293	1015	7	1.29	6.5	8
22	60	8	7	57	293	1015	8	1.5	9	10
23	60	8	7	58	293	1015	9	1.7	12.5	13
24	60	8	7	59	293	1015	10	1.9	15	16
25	60	8	8	0	293	1015	11	2.1	19	20

696	60	12	7	16	290	14.9	9.85	7	8	0
697	60	12	7	17	290	14.8	13.49	11	12	0
698	60	12	7	23	290	14.6	16.38	19	18	0
699	60	12	7	25	290	14.7	24.61	42.5	42	0
700	60	12	7	26	290	14.8	28.7	58	56.5	0
701	60	12	7	27	290	15	32.02	65	64	0
702	60	12	7	29	290	15.3	37.58	71.5	71.5	0
703	60	12	7	31	290	14.9	30.6	63	62.5	0
704	60	12	7	32	290	14.3	24.09	41	41	0
705	60	12	7	33	290	14	19.32	25.5	26	0
706	60	12	7	34	290	14	10.86	11	11	0
707	60	12	7	35	290	14	2.44	4	6	0
708	60	12	7	36	290	14.3	7.47	5	6.5	0
709	60	12	7	37	290	14.5	11.83	8	10	0
710	60	12	7	38	290	14.8	24.87	42	42.5	0
711	60	12	7	39	290	15.1	27.17	54	53.5	0
712	60	12	7	40	290	15.2	30.77	63	62	0
713	60	12	7	41	290	15.2	41.59	76	75	0
714	60	12	7	42	290	15.2	27.7	55	56	0
715	60	12	7	43	290	14.9	24.09	42	42.5	0
716	60	12	7	44	290	14.9	21	30	31	0
717	60	12	7	45	290	14.8	18.75	25	25.5	0
718	60	12	7	46	290	14.8	15.61	17	18	0
719	60	12	7	47	290	14.6	12.44	11	12	0
720	60	12	7	48	290	14.8	9.32	8	10	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

26	60	8	8	1	293	1015	12	2.29	26.1	26
27	60	8	8	2	293	1015	13	2.49	32.3	32
28	60	8	8	3	293	1015	14	2.69	42.5	42
29	60	8	8	4	293	1015	15	2.88	47.2	47
30	60	8	8	5	293	1015	16	3.08	53	53
31	60	8	8	6	293	1015	18	3.47	61	61
32	60	8	8	7	293	1015	20	3.85	65	65
33	60	8	8	8	293	1015	22	4.23	69	69
34	60	8	8	9	293	1015	24	4.61	72.5	73
35	60	8	8	10	293	1015	28	5.35	78	78
36	60	8	8	11	293	1015	32	6.09	80	80
37	60	8	8	12	293	1015	45	8.38	85.5	86
38	180	8	8	13	293	1015	45	8.38	68	0
39	180	8	8	14	293	1015	32	6.09	68	0
40	180	8	8	15	293	1015	28	5.35	68.5	0
41	180	8	8	16	293	1015	24	4.61	65.5	0
42	180	8	8	17	293	1015	22	4.23	60.5	0
43	180	8	8	18	293	1015	20	3.85	55	0
44	180	8	8	19	293	1015	18	3.47	48	0
45	180	8	8	20	293	1015	16	3.08	40	0
46	180	8	8	21	293	1015	15	2.88	34.6	0
47	180	8	8	22	293	1015	14	2.69	30	0
48	180	8	8	23	293	1015	13	2.49	20	0
49	180	8	8	24	293	1015	12	2.29	16.6	0
50	180	8	8	25	293	1015	11	2.1	13.4	0
51	180	8	8	26	293	1015	10	1.9	11.5	0

721	60	12	7	49	290	14.9	5.99	5.5	7.5	0
722	60	12	7	50	290	15.1	11.62	7.5	9.5	0
723	60	12	7	51	290	15.1	16.36	16	18	0
724	60	12	7	52	290	15.2	18.03	22	22.5	0
725	60	12	7	53	290	15.4	20.21	27	28.5	0
726	60	12	7	54	290	15.2	22.52	35	34.5	0
727	60	12	7	55	290	15	25.88	51	51	0
728	60	12	7	56	290	14.9	20.28	30	29.5	0
729	60	12	7	57	290	14.7	17.63	21	22.5	0
730	60	12	7	58	290	14.7	13.34	12.5	13	0
731	60	12	7	59	290	14.9	10.13	10	11	0
732	60	12	8	0	290	15	7.9	8	9.5	0
733	180	12	12	8	290	15	14.93	5	0	0
734	180	12	12	9	290	14.9	17.62	9	0	0
735	180	12	12	10	290	14.8	22.6	16.5	0	0
736	180	12	12	11	290	14.7	28.51	29	0	0
737	180	12	12	12	290	14.8	30.84	41	0	0
738	180	12	12	13	290	14.8	33.21	49	0	0
739	180	12	12	14	290	14.9	35.56	55	0	0
740	180	12	12	15	290	15.1	40.87	64	0	0
741	180	12	12	16	290	15.1	38.27	60	0	0
742	180	12	12	17	290	14.9	34.74	54	0	0
743	180	12	12	18	290	14.8	31.08	42	0	0
744	180	12	12	19	290	14.8	28.49	29.5	0	0
745	180	12	12	20	290	14.8	25.47	20	0	0
746	180	12	12	21	290	14.8	21.26	15	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

52	180	8	8	27	293	1015	9	1.7	10	0
53	180	8	8	28	293	1015	8	1.5	8	0
54	180	8	8	29	293	1015	7	1.29	6	0
55	180	8	8	30	293	1015	6	1.09	4.3	0
56	180	8	8	31	293	1015	0	0	1.5	0
57	180	8	8	33	293	1015	6	1.09	3.5	0
58	180	8	8	34	293	1015	7	1.29	5	0
59	180	8	8	35	293	1015	8	1.5	6.5	0
60	180	8	8	36	293	1015	9	1.7	8	0
61	180	8	8	37	293	1015	10	1.9	10.6	0
62	180	8	8	38	293	1015	11	2.1	13	0
63	180	8	8	39	293	1015	12	2.29	15.3	0
64	180	8	8	40	293	1015	13	2.49	19	0
65	180	8	8	41	293	1015	14	2.69	29.2	0
66	180	8	8	42	293	1015	15	2.88	34.5	0
67	180	8	8	43	293	1015	16	3.08	40.5	0
68	180	8	8	44	293	1015	18	3.47	48.5	0
69	180	8	8	45	293	1015	20	3.85	56.5	0
70	180	8	8	46	293	1015	22	4.23	62	0
71	180	8	8	47	293	1015	24	4.61	65	0
72	180	8	8	48	293	1015	28	5.35	68.5	0
73	180	8	8	49	293	1015	32	6.09	68.5	0
74	180	8	8	50	293	1015	45	8.38	69	0
75	240	8	8	54	293	1015	45	8.38	84.5	0
76	240	8	8	55	293	1015	32	6.09	80	0
77	240	8	8	56	293	1015	28	5.35	76	0

747	180	12	12	22	290	14.7	19.42	15	0	0
748	180	12	12	23	290	14.6	15.95	12	0	0
749	180	12	12	24	290	14.7	12.68	7	0	0
750	180	12	12	25	290	14.7	8.17	5	0	0
751	180	12	12	26	290	14.7	5.36	5	0	0
752	0	12	12	28	290	14.7	14.32	9	0	0
753	0	12	12	29	290	14.8	19.8	25	0	0
754	0	12	12	30	290	15	21.37	31	0	0
755	0	12	12	31	290	14.8	24.8	43	0	0
756	0	12	12	32	290	14.5	28.88	54	0	0
757	0	12	12	33	290	14.4	31.93	59	0	0
758	0	12	12	34	290	14.3	35.71	65	0	0
759	0	12	12	35	290	14.3	39.3	70	0	0
760	0	12	12	37	290	14.7	35.07	65	0	0
761	0	12	12	38	290	14.8	30.94	59	0	0
762	0	12	12	39	290	14.9	28.4	52.5	0	0
763	0	12	12	40	290	14.9	21.79	33	0	0
764	0	12	12	41	290	14.8	18.43	26	0	0
765	0	12	12	42	290	14.7	15.6	19	0	0
766	0	12	12	43	290	14.9	12.21	14	0	0
767	0	12	12	44	290	15.1	9.65	12	0	0
768	0	12	12	45	290	15.1	6	9.5	0	0
769	0	12	12	46	290	15.3	1.5	6	0	0
770	240	12	12	49	290	14.9	11.69	7	0	0
771	240	12	2	52	290	14.9	10.95	6.5	0	0
772	240	12	2	53	290	14.6	14.72	8.5	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

78	240	8	8	57	293	1015	24	4.61	71.5	0
79	240	8	8	58	293	1015	22	4.23	67.5	0
80	240	8	8	59	293	1015	20	3.85	62.5	0
81	240	8	9	0	293	1015	18	3.47	55	0
82	240	8	9	1	293	1015	16	3.08	47.3	0
83	240	8	9	2	293	1015	15	2.88	42.5	0
84	240	8	9	3	293	1015	14	2.69	37	0
85	240	8	9	4	293	1015	13	2.49	29.5	0
86	240	8	9	5	293	1015	12	2.29	24	0
87	240	8	9	6	293	1015	11	2.1	19	0
88	240	8	9	7	293	1015	10	1.9	15.5	0
89	240	8	9	8	293	1015	9	1.7	13	0
90	240	8	9	9	293	1015	8	1.5	10.5	0
91	240	8	9	10	293	1015	7	1.29	8.5	0
92	240	8	9	11	293	1015	6	1.09	5.5	0
93	240	8	9	12	293	1015	0	0	2.5	0
94	240	8	9	14	293	1015	0	0	1.5	0
95	240	8	9	17	293	1015	6	1.09	4.3	0
96	240	8	9	18	293	1015	7	1.29	5.5	0
97	240	8	9	19	293	1015	8	1.5	8	0
98	240	8	9	20	293	1015	9	1.7	12	0
99	240	8	9	21	293	1015	10	1.9	14	0
100	240	8	9	22	293	1015	11	2.1	17.5	0
101	240	8	9	23	293	1015	12	2.29	23.1	0
102	240	8	9	24	293	1015	13	2.49	27.5	0
103	240	8	9	25	293	1015	14	2.69	35	0

773	240	12	2	54	290	14.5	18.29	15	0	0
774	240	12	2	55	290	14.3	22.67	28	0	0
775	240	12	2	56	290	14.1	25.65	38	0	0
776	240	12	2	57	290	14.1	28.01	50	0	0
777	240	12	2	58	290	14.1	31.67	60	0	0
778	240	12	2	59	290	14.1	35.03	65	0	0
779	240	12	3	0	290	14.3	41.1	73	0	0
780	240	12	3	1	290	14.5	46.89	78	0	0
781	240	12	3	2	290	14.6	38.47	71	0	0
782	240	12	3	3	290	14.6	32.96	63.5	0	0
783	240	12	3	4	290	14.6	29.22	55	0	0
784	240	12	3	5	290	14.4	25.41	44	0	0
785	240	12	3	6	290	14.5	23.16	33	0	0
786	240	12	3	7	290	14.5	17.94	21	0	0
787	240	12	3	8	290	14.5	13.75	14	0	0
788	240	12	3	9	290	14.4	9.32	8	0	0
789	240	12	3	10	290	14.3	3.54	5	0	0
790	270	12	3	13	290	14.1	12.12	7.5	0	0
791	270	12	3	14	290	14.2	15.65	11.5	0	0
792	270	12	3	15	290	14.2	18.5	21	0	0
793	270	12	3	16	290	14.3	25.49	42	0	0
794	270	12	3	17	290	14.4	27.02	47.5	0	0
795	270	12	3	18	290	14.6	30.75	57.5	0	0
796	270	12	3	19	290	14.8	33.34	63.5	0	0
797	270	12	3	20	290	15	41.3	74	0	0
798	270	12	3	21	290	15.3	53.01	80	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

104	240	8	9	26	293	1015	15	2.88	42.4	0
105	240	8	9	27	293	1015	16	3.08	47.5	0
106	240	8	9	28	293	1015	18	3.47	56	0
107	240	8	9	29	293	1015	20	3.85	61.6	0
108	240	8	9	30	293	1015	22	4.23	66.9	0
109	240	8	9	31	293	1015	24	4.61	71	0
110	240	8	9	32	293	1015	28	5.35	76	0
111	240	8	9	33	293	1015	32	6.09	79.5	0
112	240	8	9	34	293	1015	45	8.38	83.5	0
113	270	8	9	36	293	1015	45	8.38	84	0
114	270	8	9	37	293	1015	32	6.09	80	0
115	270	8	9	38	293	1015	28	5.35	75.2	0
116	270	8	9	39	293	1015	24	4.61	71	0
117	270	8	9	40	293	1015	22	4.23	65.6	0
118	270	8	9	41	293	1015	20	3.85	63	0
119	270	8	9	42	293	1015	18	3.47	57.5	0
120	270	8	9	43	293	1015	16	3.08	51	0
121	270	8	9	44	293	1015	15	2.88	47	0
122	270	8	9	45	293	1015	14	2.69	38.4	0
123	270	8	9	46	293	1015	13	2.49	32	0
124	270	8	9	47	293	1015	12	2.29	25	0
125	270	8	9	48	293	1015	11	2.1	19.5	0
126	270	8	9	49	293	1015	10	1.9	16	0
127	270	8	9	50	293	1015	9	1.7	13.4	0
128	270	8	9	51	293	1015	8	1.5	11	0
129	270	8	9	52	293	1015	7	1.29	8	0

799	270	12	3	23	290	15.4	40.99	74	0	0
800	270	12	3	24	290	15.2	34.31	67	0	0
801	270	12	3	25	290	14.8	31.02	60	0	0
802	270	12	3	26	290	14.8	26.38	48	0	0
803	270	12	3	30	290	0	0	2	0	0
804	270	12	4	3	290	14.3	29.53	55	0	0
805	270	12	4	4	290	14	26.06	45	0	0
806	270	12	4	5	290	14.1	24.17	38	0	0
807	270	12	4	7	290	14	20.42	24	0	0
808	270	12	4	8	290	13.9	16.14	15.5	0	0
809	270	12	4	9	290	14.3	12.68	8.5	0	0
810	270	12	4	10	290	14.5	9.38	7	0	0
811	270	12	4	11	290	14.7	6.59	5	0	0
812	60	13	6	30	290	0	0	1	0	0
813	60	13	7	20	290	14.6	9.74	4.5	6.5	0
814	60	13	7	21	290	14.8	11.65	6.5	8	0
815	60	13	7	22	290	14.9	13.07	10	10	0
816	60	13	7	23	290	15	16.64	17.5	19	0
817	60	13	7	24	290	15	20.34	26	27	0
818	60	13	7	25	290	14.9	23.36	34	35	0
819	60	13	7	26	290	15	26.55	50	50	0
820	60	13	7	27	290	14.9	29.1	56	56	0
821	60	13	7	28	290	14.8	32.44	63	63	0
822	60	13	7	29	290	14.8	35.41	68	68.5	0
823	60	13	7	30	290	14.9	44.04	75	75	0
824	60	13	7	31	290	15	40.83	74.5	73.5	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

130	270	8	9	53	293	1015	6	1.09	6.2	0
131	270	8	9	54	293	1015	0	0	2.2	0
132	270	8	9	58	293	1015	6	1.09	4.2	0
133	270	8	9	59	293	1015	7	1.29	5.5	0
134	270	8	10	0	293	1015	8	1.5	10.4	0
135	270	8	10	1	293	1015	9	1.7	12.6	0
136	270	8	10	2	293	1015	10	1.9	15	0
137	270	8	10	3	293	1015	11	2.1	19	0
138	270	8	10	4	293	1015	12	2.29	21.5	0
139	270	8	10	5	293	1015	13	2.49	30.4	0
140	270	8	10	6	293	1015	14	2.69	39.5	0
141	270	8	10	7	293	1015	15	2.88	45.4	0
142	270	8	10	8	293	1015	16	3.08	50.7	0
143	270	8	10	9	293	1015	18	3.47	55.8	0
144	270	8	10	10	293	1015	20	3.85	63.3	0
145	270	8	10	11	293	1015	22	4.23	68.5	0
146	270	8	10	12	293	1015	24	4.61	72	0
147	270	8	10	13	293	1015	28	5.35	75.7	0
148	270	8	10	14	293	1015	32	6.09	78.8	0
149	270	8	10	15	293	1015	45	8.38	85	0
150	0	8	10	18	293	1015	45	8.38	70.5	0
151	0	8	10	19	293	1015	32	6.09	70.5	0
152	0	8	10	20	293	1015	28	5.35	71	0
153	0	8	10	21	293	1015	24	4.61	70.5	0
154	0	8	10	22	293	1015	22	4.23	67.5	0
155	0	8	10	23	293	1015	20	3.85	63.5	0

825	60	13	7	32	290	14.9	34.17	67	66.5	0
826	60	13	7	33	290	14.9	31.57	61.5	61.5	0
827	60	13	7	34	290	14.8	24.3	38	38	0
828	60	13	7	35	290	14.6	22.03	28	30	0
829	60	13	7	36	290	14.9	19.99	26	26	0
830	60	13	7	37	290	15	18.25	22.5	22.5	0
831	60	13	7	38	290	14.9	12.25	10	10.5	0
832	60	13	7	39	290	14.9	10.41	8	9	0
833	60	13	7	40	290	14.8	8.68	6.5	7	0
834	60	13	7	41	290	14.8	5.9	4.5	5.5	0
835	180	13	7	44	290	14.8	6.42	3	0	0
836	180	13	7	45	290	14.7	9.78	4	0	0
837	180	13	7	46	290	14.7	13.14	6	0	0
838	180	13	7	47	290	14.7	15.55	10	0	0
839	180	13	7	48	290	14.8	18.71	12	0	0
840	180	13	7	49	290	14.8	21.49	14	0	0
841	180	13	7	50	290	14.9	25.79	21	0	0
842	180	13	7	51	290	15.1	28.62	32.5	0	0
843	180	13	9	5	290	14.8	27.31	24.5	0	0
844	180	13	9	7	290	14.9	28.65	33	0	0
845	180	13	9	8	290	15	30.25	40	0	0
846	180	13	9	9	290	15	32.08	46	0	0
847	180	13	9	10	290	15	35.95	56	0	0
848	180	13	9	12	290	15.4	43.97	68	0	0
849	180	13	9	13	290	15.1	36.98	59.5	0	0
850	180	13	9	14	290	15	32.8	47	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

156	0	8	10	24	293	1015	18	3.47	57.3	0
157	0	8	10	25	293	1015	16	3.08	50	0
158	0	8	10	26	293	1015	15	2.88	46	0
159	0	8	10	27	293	1015	14	2.69	39.5	0
160	0	8	10	28	293	1015	13	2.49	34.5	0
161	0	8	10	29	293	1015	12	2.29	25	0
162	0	8	10	30	293	1015	11	2.1	20.5	0
163	0	8	10	31	293	1015	10	1.9	16.5	0
164	0	8	10	32	293	1015	9	1.7	10	0
165	0	8	10	33	293	1015	8	1.5	10.7	0
166	0	8	10	34	293	1015	7	1.29	9.7	0
167	0	8	10	35	293	1015	6	1.09	6.2	0
168	0	8	10	36	293	1015	0	0	3.5	0
169	0	8	10	41	293	1015	6	1.09	5.5	0
170	0	8	10	42	293	1015	7	1.29	7.5	0
171	0	8	10	43	293	1015	8	1.5	10	0
172	0	8	10	44	293	1015	9	1.7	12.6	0
173	0	8	10	45	293	1015	10	1.9	16.2	0
174	0	8	10	46	293	1015	11	2.1	18.2	0
175	0	8	10	47	293	1015	12	2.29	25	0
176	0	8	10	48	293	1015	13	2.49	36.5	0
177	0	8	10	49	293	1015	14	2.69	41.4	0
178	0	8	10	50	293	1015	15	2.88	45.4	0
179	0	8	10	51	293	1015	16	3.08	50.5	0
180	0	8	10	52	293	1015	18	3.47	58.2	0
181	0	8	10	53	293	1015	20	3.85	63	0

851	180	13	9	15	290	14.9	28.73	36	0	0
852	180	13	9	16	290	14.9	26.62	24	0	0
853	180	13	9	17	290	14.7	19.86	14	0	0
854	180	13	9	19	290	15	16.4	12	0	0
855	180	13	9	20	290	15	14.9	10	0	0
856	180	13	9	21	290	14.9	12.57	6	0	0
857	180	13	9	22	290	14.7	8.79	4	0	0
858	180	13	9	23	290	14.9	4.39	2	0	0
859	0	13	10	11	290	14.6	6.2	4	0	0
860	0	13	10	12	290	14.6	8.72	7	0	0
861	0	13	10	13	290	14.6	12.41	10	0	0
862	0	13	10	14	290	14.7	15.07	15	0	0
863	0	13	10	15	290	14.7	17.75	20	0	0
864	0	13	10	16	290	14.8	20.7	27	0	0
865	0	13	10	17	290	15	22.85	36	0	0
866	0	13	10	18	290	14.8	24.61	42.5	0	0
867	0	13	10	19	290	14.7	27.59	50	0	0
868	0	13	10	20	290	14.8	30.31	57	0	0
869	0	13	10	21	290	14.8	33.75	63	0	0
870	0	13	10	22	290	14.9	37.68	69	0	0
871	0	13	10	23	290	14.9	35.37	66	0	0
872	0	13	10	24	290	14.9	32.46	63	0	0
873	0	13	10	25	290	14.8	29.06	54.5	0	0
874	0	13	10	26	290	14.8	25.9	46	0	0
875	0	13	10	27	290	14.9	22.17	33	0	0
876	0	13	10	28	290	14.9	19.87	27.5	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

182	0	8	10	54	293	1015	22	4.23	67.4	0
183	0	8	10	55	293	1015	24	4.61	70.5	0
184	0	8	10	56	293	1015	28	5.35	71	0
185	0	8	10	57	293	1015	32	6.09	70.4	0
186	0	8	10	58	293	1015	45	8.38	71	0
187	210	8	11	6	293	1015	45	8.38	84.5	0
188	210	8	11	7	293	1015	32	6.09	80	0
189	210	8	11	8	293	1015	28	5.35	76	0
190	210	8	11	9	293	1015	24	4.61	70	0
191	210	8	11	10	293	1015	22	4.23	66	0
192	210	8	11	11	293	1015	20	3.85	60.5	0
193	210	8	11	12	293	1015	18	3.47	56	0
194	210	8	11	13	293	1015	16	3.08	47.5	0
195	210	8	11	14	293	1015	15	2.88	44	0
196	210	8	11	15	293	1015	14	2.69	39.5	0
197	210	8	11	16	293	1015	13	2.49	33	0
198	210	8	11	17	293	1015	12	2.29	25.5	0
199	210	8	11	18	293	1015	11	2.1	19	0
200	210	8	11	19	293	1015	10	1.9	14	0
201	210	8	11	20	293	1015	9	1.7	12	0
202	210	8	11	21	293	1015	8	1.5	10	0
203	210	8	11	22	293	1015	7	1.29	7.5	0
204	210	8	11	23	293	1015	6	1.09	6.4	0
205	210	8	11	25	293	1015	0	0	1	0
206	9	95	44	293	1015	2.5	0	0	0	0
207	210	8	1	55	293	1015	6	1.09	4	0

877	0	13	10	29	290	14.9	15.71	21.5	0	0
878	0	13	10	30	290	14.8	11.68	15.5	0	0
879	0	13	10	31	290	14.9	7.98	12	0	0
880	0	13	10	32	290	15.1	2.85	11	0	0
881	240	13	11	30	290	14.9	9.54	3.5	0	0
882	240	13	11	31	290	15.1	15.26	11	0	0
883	240	13	11	32	290	14.9	18.97	20	0	0
884	240	13	11	33	290	14.7	21.92	27	0	0
885	240	13	11	34	290	14.6	24.7	34	0	0
886	240	13	11	35	290	14.6	26.28	46	0	0
887	240	13	11	36	290	14.6	28.56	52	0	0
888	240	13	11	37	290	14.5	31.84	61	0	0
889	240	13	11	38	290	14.6	35.5	67	0	0
890	240	13	11	39	290	14.7	42.11	74	0	0
891	240	13	11	40	290	14.7	36.85	69	0	0
892	240	13	11	41	290	14.5	31.09	60.5	0	0
893	240	13	11	43	290	14.6	27.26	52	0	0
894	240	13	11	44	290	14.7	24.98	45	0	0
895	240	13	11	45	290	14.7	22.86	34	0	0
896	240	13	11	46	290	14.7	19.36	25	0	0
897	240	13	11	47	290	14.7	14.15	16	0	0
898	240	13	11	48	290	14.6	13.42	13.5	0	0
899	240	13	11	49	290	14.6	7.91	9	0	0
900	240	13	11	50	290	14.5	3.52	4.5	0	0
901	270	13	11	53	290	14.9	9.72	7	0	0
902	270	13	11	54	290	15	12.16	9.5	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

208	210	8	1	56	293	1015	7	1.29	5.5	0
209	210	8	1	57	293	1015	8	1.5	8.5	0
210	210	8	1	58	293	1015	9	1.7	11	0
211	210	8	1	59	293	1015	10	1.9	13.5	0
212	210	8	2	0	293	1015	11	2.1	16.5	0
213	210	8	2	1	293	1015	12	2.29	24	0
214	210	8	2	2	293	1015	13	2.49	28	0
215	210	8	2	3	293	1015	14	2.69	35	0
216	210	8	2	4	293	1015	15	2.88	41	0
217	210	8	2	5	293	1015	16	3.08	48	0
218	210	8	2	6	293	1015	18	3.47	57	0
219	210	8	2	7	293	1015	20	3.85	61	0
220	210	8	2	8	293	1015	22	4.23	66	0
221	210	8	2	9	293	1015	24	4.61	71	0
222	210	8	2	10	293	1015	28	5.35	75	0
223	210	8	2	11	293	1015	32	6.09	79	0
224	210	8	2	12	293	1015	45	8.38	83.5	0
225	300	8	2	17	293	1015	0	0	4	0
226	330	8	2	21	293	1015	0	0	4	0
227	30	8	2	26	293	1015	0	0	7	0
228	90	8	2	30	293	1015	0	0	117.5	0
229	120	8	2	33	293	1015	0	0	5	0
230	150	8	2	38	293	1015	0	0	5.5	0
231	60	8	3	3	293	1015	45	8.38	84	84
232	60	8	3	4	293	1015	32	6.09	80	80
233	60	8	3	5	293	1015	28	5.35	76.5	76

903	270	13	11	55	290	14.8	13.75	11.5	0	0
904	270	13	11	56	290	14.5	16.28	19	0	0
905	270	13	11	57	290	14.5	18.1	21	0	0
906	270	13	11	58	290	14.4	21.17	30	0	0
907	270	13	11	59	290	14.4	24.29	37	0	0
908	270	13	12	0	290	14.5	26.74	48	0	0
909	270	13	12	1	290	14.6	29.6	57	0	0
910	270	13	12	2	290	14.7	35.21	67	0	0
911	270	13	12	3	290	14.7	42.55	74	0	0
912	270	13	12	4	290	14.7	35.94	68.5	0	0
913	270	13	12	5	290	14.7	31.12	61	0	0
914	270	13	12	6	290	14.9	26.94	50	0	0
915	270	13	12	7	290	14.9	25.66	47	0	0
916	270	13	12	8	290	14.9	23.56	38.5	0	0
917	270	13	12	9	290	15	19.94	29	0	0
918	270	13	12	10	290	15	16.7	19.5	0	0
919	270	13	12	11	290	14.9	14.64	15	0	0
920	270	13	12	12	290	14.9	11.95	9.5	0	0
921	270	13	12	13	290	14.9	10.21	8	0	0
922	270	13	12	14	290	14.9	5.57	7	0	0
923	60	14	7	17	290	14.7	11.02	8.5	8	0
924	60	14	7	18	290	14.8	13.14	9.5	10	0
925	60	14	7	19	290	14.8	14.94	13	13	0
926	60	14	7	20	290	14.9	18.32	21	21	0
927	60	14	7	21	290	15	20.88	27	27	0
928	60	14	7	22	290	15	24.29	36	35.5	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

234	60	8	3	6	293	1015	24	4.61	70	71
235	60	8	3	7	293	1015	22	4.23	68.5	68
236	60	8	3	8	293	1015	20	3.85	62.5	63
237	60	8	3	9	293	1015	18	3.47	56.5	57
238	60	8	3	10	293	1015	16	3.08	51	50
239	60	8	3	11	293	1015	15	2.88	45.5	45
240	60	8	3	12	293	1015	14	2.69	40.5	39
241	60	8	3	13	293	1015	13	2.49	30	30
242	60	8	3	14	293	1015	12	2.29	19	25
243	60	8	3	15	293	1015	11	2.1	19.5	20
244	60	8	3	16	293	1015	10	1.9	16	17
245	60	8	3	17	293	1015	9	1.7	14	14
246	60	8	3	18	293	1015	8	1.5	12	12
247	60	8	3	20	293	1015	6	1.09	7	8
248	60	8	3	21	293	1015	0	0	4	3
249	60	8	3	31	293	1015	6	1.09	4.5	5
250	60	8	3	32	293	1015	7	1.29	6	7
251	60	8	3	33	293	1015	8	1.5	9	9
252	60	8	3	34	293	1015	9	1.7	11.5	12
253	60	8	3	35	293	1015	10	1.9	14	14
254	60	8	3	36	293	1015	11	2.1	18.5	18
255	60	8	3	37	293	1015	12	2.29	22.5	0
256	60	8	3	38	293	1015	13	2.49	28	0
257	60	8	3	39	293	1015	14	2.69	40	0
258	60	8	3	40	293	1015	15	2.88	44	0
259	60	8	3	41	293	1015	16	3.08	48.5	0

929	60	14	7	23	290	15	25.63	43	43	0
930	60	14	7	24	290	15	27.31	49.5	50	0
931	60	14	7	25	290	15	29.82	55.5	56	0
932	60	14	7	26	290	14.9	35.77	65.5	66	0
933	60	14	7	27	290	14.9	40.64	71	71.5	0
934	60	14	7	28	290	15	37.01	67.5	68	0
935	60	14	7	29	290	14.9	35.27	65	65.5	0
936	60	14	7	30	290	14.9	31.92	60	60.5	0
937	60	14	7	31	290	14.9	27.7	50	51.5	0
938	60	14	7	32	290	14.9	26.47	45	46	0
939	60	14	7	33	290	14.8	23.67	35.5	35	0
940	60	14	7	34	290	14.8	20.62	27	27.5	0
941	60	14	7	35	290	14.9	17.31	20	20	0
942	60	14	7	36	290	14.9	14.73	13	13.5	0
943	60	14	7	37	290	14.9	10.98	11	11	0
944	60	14	7	38	290	14.9	7.18	7	7.5	0
945	180	14	7	40	290	14.9	8.65	2	0	0
946	180	14	7	41	290	14.9	13.4	7	0	0
947	180	14	7	42	290	14.9	17.06	9.5	0	0
948	180	14	7	43	290	15.1	19.42	12.5	0	0
949	180	14	7	44	290	14.9	24.25	16.5	0	0
950	180	14	7	45	290	14.8	26.26	19	0	0
951	180	14	7	46	290	14.9	27.99	27.5	0	0
952	180	14	7	47	290	14.8	29.85	36	0	0
953	180	14	7	48	290	14.9	32.66	47.5	0	0
954	180	14	7	49	290	15	35.03	54.5	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

260	60	8	3	42	293	1015	18	3.47	54	0
261	60	8	3	43	293	1015	20	3.85	63.5	0
262	60	8	3	44	293	1015	22	4.23	68.5	0
263	60	8	3	45	293	1015	24	4.61	72	0
264	60	8	3	46	293	1015	28	5.35	78	0
265	60	8	3	47	293	1015	32	6.09	80	0
266	60	8	3	48	293	1015	45	8.38	85	0
267	180	8	3	57	293	1015	45	8.38	69	0
268	180	8	3	58	293	1015	32	6.09	69	0
269	180	8	3	59	293	1015	28	5.35	68	0
270	180	8	4	0	293	1015	24	4.61	63	0
271	180	8	4	1	293	1015	22	4.23	58.5	0
272	180	8	4	2	293	1015	20	3.85	53.5	0
273	180	8	4	3	293	1015	18	3.47	46.5	0
274	180	8	4	4	293	1015	16	3.08	38	0
275	180	8	4	5	293	1015	15	2.88	34.5	0
276	180	8	4	6	293	1015	14	2.69	25.5	0
277	180	8	4	7	293	1015	13	2.49	18.5	0
278	180	8	4	8	293	1015	12	2.29	14.5	0
279	180	8	4	9	293	1015	11	2.1	14	0
280	180	8	4	11	293	1015	10	1.9	8	0
281	180	8	4	12	293	1015	9	1.7	9	0
282	180	8	4	13	293	1015	8	1.5	7	0
283	180	8	4	14	293	1015	7	1.29	4.5	0
284	180	8	4	15	293	1015	6	1.09	3	0
285	180	8	4	16	293	1015	0	0	1	0

955	180	14	7	50	290	14.9	38.79	59	0	0
956	180	14	7	51	290	14.9	43.13	67.5	0	0
957	180	14	7	52	290	15	38.2	58	0	0
958	180	14	7	53	290	15	34.02	49	0	0
959	180	14	7	54	290	15	31.42	39	0	0
960	180	14	7	55	290	15.2	29.28	39	0	0
961	180	14	7	56	290	15	27.55	23	0	0
962	180	14	7	57	290	14.9	26.24	20	0	0
963	180	14	7	58	290	14.9	23.76	13	0	0
964	180	14	7	59	290	14.8	20.05	12.5	0	0
965	180	14	8	0	290	14.9	17.55	10	0	0
966	180	14	8	1	290	15	13.67	6	0	0
967	180	14	8	2	290	14.9	8.9	2.5	0	0
968	0	14	8	30	290	14.9	6.49	4.5	0	0
969	0	14	8	31	290	14.8	9.23	6.5	0	0
970	0	14	8	32	290	14.8	13.44	10.5	0	0
971	0	14	8	33	290	14.8	16.43	16	0	0
972	0	14	8	34	290	14.8	18.93	21.5	0	0
973	0	14	8	35	290	14.8	22.66	32	0	0
974	0	14	8	36	290	14.8	24.54	39	0	0
975	0	14	8	37	290	14.9	26.42	46.5	0	0
976	0	14	8	38	290	14.9	29.63	54	0	0
977	0	14	8	39	290	14.8	32.45	60	0	0
978	0	14	8	40	290	14.8	37.04	67	0	0
979	0	14	8	41	290	14.8	36.55	66	0	0
980	0	14	8	42	290	14.8	33.66	62	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

286	180	8	4	24	293	1015	6	1.09	2	0
287	180	8	4	25	293	1015	7	1.29	4	0
288	180	8	4	26	293	1015	8	1.5	6	0
289	180	8	4	27	293	1015	9	1.7	8	0
290	180	8	4	28	293	1015	10	1.9	11	0
291	180	8	4	29	293	1015	11	2.1	11.5	0
292	180	8	4	30	293	1015	12	2.29	17.5	0
293	180	8	4	31	293	1015	13	2.49	17.5	0
294	180	8	4	32	293	1015	14	2.69	27.5	0
295	180	8	4	33	293	1015	15	2.88	34.5	0
296	180	8	4	34	293	1015	16	3.08	34	0
297	180	8	4	35	293	1015	18	3.47	44	0
298	180	8	4	36	293	1015	20	3.85	53	0
299	180	8	4	37	293	1015	22	4.23	59	0
300	180	8	4	38	293	1015	24	4.61	64	0
301	180	8	4	39	293	1015	28	5.35	69	0
302	180	8	4	40	293	1015	32	6.09	70	0
303	180	8	4	41	293	1015	45	8.38	69	0
304	210	8	4	45	293	1015	45	8.38	86.5	0
305	210	8	4	46	293	1015	32	6.09	80	0
306	210	8	4	47	293	1015	28	5.35	77	0
307	210	8	4	48	293	1015	24	4.61	71	0
308	210	8	4	49	293	1015	22	4.23	67	0
309	210	8	4	50	293	1015	20	3.85	62	0
310	210	8	4	51	293	1015	18	3.47	55.5	0
311	210	8	4	52	293	1015	16	3.08	48	0

981	0	14	8	43	290	14.8	31.02	57	0	0
982	0	14	8	44	290	14.8	26.98	47	0	0
983	0	14	8	45	290	14.8	24.26	38	0	0
984	0	14	8	46	290	14.8	21.9	30.5	0	0
985	0	14	8	47	290	14.8	19.72	24	0	0
986	0	14	8	48	290	14.7	18.06	20	0	0
987	0	14	8	49	290	14.7	14.89	14	0	0
988	0	14	8	50	290	14.7	10.76	8	0	0
989	0	14	8	51	290	14.7	8.49	6	0	0
990	0	14	8	52	290	14.7	3.33	3.5	0	0
991	240	14	8	55	290	14.8	8.03	3	0	0
992	240	14	8	56	290	14.9	10.69	5	0	0
993	240	14	8	58	290	15.1	12.25	6	0	0
994	240	14	8	59	290	14.9	14.99	11	0	0
995	240	14	10	34	290	14.8	13.21	8	0	0
996	240	14	10	35	290	14.8	15.96	12	0	0
997	240	14	10	36	290	14.8	18.83	18.5	0	0
998	240	14	10	37	290	14.7	21.18	25.2	0	0
999	240	14	10	38	290	14.8	24.71	34	0	0
1000	240	14	10	39	290	14.8	27.47	47	0	0
1001	240	14	10	40	290	14.9	31.54	59	0	0
1002	240	14	10	41	290	14.9	34.32	64	0	0
1003	240	14	10	42	290	15	39.78	72	0	0
1004	240	14	10	43	290	14.9	43.48	75	0	0
1005	240	14	10	44	290	14.9	41.08	72.5	0	0
1006	240	14	10	45	290	14.7	37.15	67.5	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

312	210	8	4	53	293	1015	15	2.88	43	0
313	210	8	4	54	293	1015	14	2.69	38	0
314	210	8	4	55	293	1015	13	2.49	29	0
315	210	8	4	56	293	1015	12	2.29	24.5	0
316	210	8	4	57	293	1015	11	2.1	18	0
317	210	8	4	58	293	1015	10	1.9	14.5	0
318	210	8	4	59	293	1015	9	1.7	11	0
319	210	8	5	0	293	1015	8	1.5	9	0
320	210	8	5	1	293	1015	7	1.29	7.5	0
321	210	8	5	2	293	1015	6	1.09	6	0
322	210	8	5	3	293	1015	0	0	0.5	0
323	210	8	5	7	293	1015	6	1.09	2.5	0
324	210	8	5	8	293	1015	7	1.29	5	0
325	210	8	5	9	293	1015	8	1.5	7	0
326	210	8	5	10	293	1015	9	1.7	10.5	0
327	210	8	5	11	293	1015	10	1.9	12	0
328	210	8	5	12	293	1015	11	2.1	16	0
329	210	8	5	13	293	1015	12	2.29	23	0
330	210	8	5	14	293	1015	13	2.49	28	0
331	210	8	5	15	293	1015	14	2.69	34	0
332	210	8	5	16	293	1015	15	2.88	41.5	0
333	210	8	5	17	293	1015	16	3.08	47	0
334	210	8	5	18	293	1015	18	3.47	53	0
335	210	8	5	19	293	1015	20	3.85	61	0
336	210	8	5	20	293	1015	22	4.23	67	0
337	210	8	5	21	293	1015	24	4.61	70.5	0

1007	240	14	10	46	290	14.8	32.38	60	0	0
1008	240	14	10	47	290	14.8	29.81	53.5	0	0
1009	240	14	10	48	290	14.8	25.32	37.5	0	0
1010	240	14	10	49	290	14.7	23.3	31	0	0
1011	240	14	10	50	290	14.7	21.46	26.4	0	0
1012	240	14	10	51	290	14.8	19.56	21.5	0	0
1013	240	14	10	52	290	14.8	15.58	12.7	0	0
1014	240	14	10	53	290	14.7	13.78	9.5	0	0
1015	240	14	10	54	290	14.7	9.96	5.5	0	0
1016	240	14	10	55	290	14.6	3.54	3	0	0
1017	270	14	11	27	290	15	9.44	4.5	0	0
1018	270	14	11	28	290	15	11.6	5.5	0	0
1019	270	14	11	29	290	14.9	15.2	10.6	0	0
1020	270	14	11	30	290	14.9	17.54	17	0	0
1021	270	14	11	31	290	14.9	20	23	0	0
1022	270	14	11	32	290	14.9	24.26	35.5	0	0
1023	270	14	11	33	290	15	27.12	48	0	0
1024	270	14	11	34	290	15	30.53	56.5	0	0
1025	270	14	11	35	290	15	37.08	68.5	0	0
1026	270	14	11	36	290	15.1	41.83	73	0	0
1027	270	14	11	37	290	15.1	38.5	70.4	0	0
1028	270	14	11	38	290	15.1	34.8	65	0	0
1029	270	14	11	39	290	15.1	32.12	59.5	0	0
1030	270	14	11	40	290	15	27.28	49.5	0	0
1031	270	14	11	41	290	14.9	26.28	42.5	0	0
1032	270	14	11	42	290	14.9	22.24	29	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

338	210	8	5	22	293	1015	28	5.35	78	0
339	210	8	5	23	293	1015	32	6.09	80	0
340	210	8	5	24	293	1015	45	8.38	85.5	0
341	9	95	42	293	1015	2	0	0	0	0
342	9	95	42	293	1015	2	0	0	0	0
343	9	95	42	293	1015	2	0	0	0	0
344	9	95	42	293	1015	2	0	0	0	0
345	9	95	42	293	1015	2	0	0	0	0
346	240	8	8	47	293	1015	45	8.38	85.5	0
347	240	8	8	48	293	1015	32	6.09	81	0
348	240	8	8	49	293	1015	28	5.35	77	0
349	240	8	8	50	293	1015	24	4.61	70	0
350	240	8	8	51	293	1015	22	4.23	66.5	0
351	240	8	8	52	293	1015	20	3.85	62	0
352	240	8	8	53	293	1015	18	3.47	55	0
353	240	8	8	54	293	1015	16	3.08	47.5	0
354	240	8	8	55	293	1015	15	2.88	44	0
355	240	8	8	56	293	1015	14	2.69	40	0
356	240	8	8	57	293	1015	13	2.49	30	0
357	240	8	8	58	293	1015	12	2.29	25	0
358	240	8	8	59	293	1015	11	2.1	19	0
359	240	8	9	0	293	1015	10	1.9	16	0
360	240	8	9	1	293	1015	9	1.7	13	0
361	240	8	9	2	293	1015	8	1.5	10.5	0
362	240	8	9	3	293	1015	7	1.29	8.5	0
363	240	8	9	4	293	1015	6	1.09	7	0

1033	270	14	11	43	290	14.8	20.77	26.5	0	0
1034	270	14	11	44	290	14.8	17.74	19	0	0
1035	270	14	11	45	290	14.8	13.13	10	0	0
1036	270	14	11	46	290	14.8	9.16	5.5	0	0
1037	270	14	11	47	290	14.8	7.72	4	0	0
1038	210	14	11	50	290	15	8.27	2.5	0	0
1039	210	14	11	51	290	14.8	10.92	6	0	0
1040	210	14	11	52	290	14.7	13.96	7.5	0	0
1041	210	14	11	53	290	14.6	16.31	12.5	0	0
1042	210	14	11	54	290	14.6	20.68	22.5	0	0
1043	210	14	11	55	290	14.6	23.67	30	0	0
1044	210	14	11	56	290	14.6	26.02	37	0	0
1045	210	14	11	57	290	14.7	28.2	44.1	0	0
1046	210	14	11	58	290	14.8	31.55	58.5	0	0
1047	210	14	11	59	290	14.9	34.53	63.5	0	0
1048	210	14	12	0	290	14.9	39.07	70	0	0
1049	210	14	12	1	290	14.8	44.59	75	0	0
1050	210	14	12	2	290	14.8	36.23	66.5	0	0
1051	210	14	12	3	290	14.9	31.4	57.8	0	0
1052	210	14	12	4	290	14.7	27.91	43.5	0	0
1053	210	14	12	5	290	14.8	26.05	36	0	0
1054	210	14	12	6	290	14.8	22.26	28	0	0
1055	210	14	12	7	290	14.8	20.41	22.5	0	0
1056	210	14	12	8	290	14.8	18.72	19.5	0	0
1057	210	14	12	9	290	14.8	15.85	13	0	0
1058	210	14	12	10	290	14.7	13.96	9	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

364	240	8	9	5	293	1015	0	0	2	0
365	240	8	9	17	293	1015	6	1.09	4	0
366	240	8	9	18	293	1015	7	1.29	7	0
367	240	8	9	19	293	1015	8	1.5	8.5	0
368	240	8	9	20	293	1015	9	1.7	11.5	0
369	240	8	9	21	293	1015	10	1.9	15	0
370	240	8	9	22	293	1015	11	2.1	18	0
371	240	8	9	23	293	1015	12	2.29	24	0
372	240	8	9	24	293	1015	13	2.49	28	0
373	240	8	9	25	293	1015	14	2.69	35	0
374	240	8	9	26	293	1015	15	2.88	43	0
375	240	8	9	27	293	1015	16	3.08	47.5	0
376	240	8	9	28	293	1015	18	3.47	54.5	0
377	240	8	9	29	293	1015	20	3.85	61.5	0
378	240	8	9	30	293	1015	22	4.23	66	0
379	240	8	9	31	293	1015	24	4.61	70.5	0
380	240	8	9	32	293	1015	28	5.35	76	0
381	240	8	9	33	293	1015	32	6.09	80	0
382	240	8	9	34	293	1015	45	8.38	85.5	0
383	270	8	9	36	293	1015	45	8.38	84	0
384	270	8	9	37	293	1015	32	6.09	80	0
385	270	8	9	38	293	1015	28	5.35	76.5	0
386	270	8	9	39	293	1015	24	4.61	72	0
387	270	8	9	40	293	1015	22	4.23	67	0
388	270	8	9	41	293	1015	20	3.85	63	0
389	270	8	9	42	293	1015	18	3.47	57	0

1059	210	14	12	11	290	15	11.05	6.5	0	0
1060	210	14	12	12	290	15	8.73	4.5	0	0
1061	210	14	12	13	290	15.2	4.49	2.5	0	0
1062	30	14	12	17	290	15	7.51	5.5	0	0
1063	30	14	12	18	290	15.2	11.69	10	0	0
1064	30	14	12	19	290	15.1	14.21	11.5	0	0
1065	30	14	12	20	290	14.9	18.28	20.5	0	0
1066	30	14	12	21	290	14.8	20.5	26.3	0	0
1067	30	14	12	22	290	14.7	22.96	33.5	0	0
1068	30	14	12	23	290	14.7	26.36	45.5	0	0
1069	30	14	12	24	290	14.7	29.09	53	0	0
1070	30	14	12	25	290	14.8	32.45	59.5	0	0
1071	30	14	12	26	290	14.9	35.37	64.5	0	0
1072	30	14	12	27	290	15	39.42	70.7	0	0
1073	30	14	12	28	290	15.1	42.94	74	0	0
1074	30	14	12	29	290	15	39.94	70.5	0	0
1075	30	14	12	30	290	14.9	33.94	63.5	0	0
1076	30	14	12	31	290	14.9	31.07	58.4	0	0
1077	30	14	12	32	290	14.7	27.54	49.5	0	0
1078	30	14	12	33	290	14.8	24.35	40.4	0	0
1079	30	14	12	34	290	14.8	21.97	31	0	0
1080	30	14	12	35	290	14.8	20.09	26.5	0	0
1081	30	14	12	36	290	14.7	16.51	18	0	0
1082	30	14	12	37	290	14.7	14.01	12.5	0	0
1083	30	14	12	38	290	14.7	12.21	10.5	0	0
1084	30	14	12	39	290	14.7	9.06	6.5	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

390	270	8	9	43	293	1015	16	3.08	48.5	0
391	270	8	9	44	293	1015	15	2.88	46	0
392	270	8	9	45	293	1015	14	2.69	39.5	0
393	270	8	9	46	293	1015	13	2.49	33	0
394	270	8	9	47	293	1015	12	2.29	27	0
395	270	8	9	48	293	1015	11	2.1	21	0
396	270	8	9	49	293	1015	10	1.9	18	0
397	270	8	9	50	293	1015	9	1.7	14	0
398	270	8	9	51	293	1015	8	1.5	11	0
399	270	8	9	52	293	1015	7	1.29	8	0
400	270	8	9	53	293	1015	6	1.09	7	0
401	270	8	9	54	293	1015	0	0	2	0
402	270	8	10	3	293	1015	6	1.09	6.5	0
403	270	8	10	5	293	1015	7	1.29	7.5	0
404	270	8	10	6	293	1015	8	1.5	10	0
405	270	8	10	7	293	1015	9	1.7	14	0
406	270	8	10	8	293	1015	10	1.9	16.5	0
407	270	8	10	9	293	1015	11	2.1	20.5	0
408	270	8	10	10	293	1015	12	2.29	27.5	0
409	270	8	10	11	293	1015	13	2.49	33	0
410	270	8	10	12	293	1015	14	2.69	41	0
411	270	8	10	13	293	1015	15	2.88	46	0
412	270	8	10	14	293	1015	16	3.08	50	0
413	270	8	10	15	293	1015	18	3.47	58	0
414	270	8	10	16	293	1015	20	3.85	64	0
415	270	8	10	17	293	1015	22	4.23	67.5	0

1085	30	14	12	40	290	14.7	5.5	4.1	0	0
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1313	30	15	7	30	290	14.7	11.92	9.5	0	0
1314	30	15	7	31	290	14.7	13.82	12	0	0
1315	30	15	7	32	290	14.7	16.09	17.2	0	0
1316	30	15	7	33	290	14.7	18.97	24.2	0	0
1317	30	15	7	34	290	14.8	21	32.2	0	0
1318	30	15	7	35	290	14.8	23.83	39.3	0	0
1319	30	15	7	36	290	14.7	26.09	49	0	0
1320	30	15	7	37	290	14.7	28.27	55	0	0
1321	30	15	7	38	290	14.8	31.62	62.5	0	0
1322	30	15	7	39	290	14.8	33.57	65.8	0	0
1323	30	15	7	40	290	14.9	40.35	74	0	0
1324	30	15	7	41	290	14.9	43.64	76.4	0	0
1325	30	15	7	42	290	14.9	39.08	73.5	0	0
1326	30	15	7	43	290	14.8	36.35	69.4	0	0
1327	30	15	7	44	290	14.9	33.35	66.5	0	0
1328	30	15	7	45	290	15	30.4	62.2	0	0
1329	30	15	7	46	290	15	28.81	59	0	0
1330	30	15	7	47	290	14.9	21.12	35.4	0	0
1331	30	15	7	48	290	14.8	18.66	28	0	0
1332	30	15	7	49	290	14.8	17.35	25.3	0	0
1333	30	15	7	50	290	14.8	15.4	22.3	0	0
1334	30	15	7	51	290	14.8	12.08	14.3	0	0
1335	30	15	7	52	290	14.8	8.74	12.3	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

416	270	8	10	18	293	1015	24	4.61	72	0
417	270	8	10	19	293	1015	24	4.61	71	0
418	270	8	10	20	293	1015	28	5.35	76.5	0
419	270	8	10	21	293	1015	32	6.09	79.5	0
420	270	8	10	22	293	1015	45	8.38	84.5	0
421	9	95	55	293	1015	2	0	0	0	0
422	0	9	8	17	293	1015	45	8.38	70	71
423	0	9	8	18	293	1015	32	6.09	70.6	71
424	0	9	8	19	293	1015	28	5.35	70.8	71
425	0	9	8	20	293	1015	24	4.61	71	70.5
426	0	9	8	21	293	1015	22	4.23	66	66.5
427	0	9	8	22	293	1015	20	3.85	63.4	62.5
428	0	9	8	23	293	1015	18	3.47	56	56.5
429	0	9	8	24	293	1015	16	3.08	49	49.5
430	0	9	8	25	293	1015	15	2.88	44	44
431	0	9	8	26	293	1015	14	2.69	40.5	40.5
432	0	9	8	27	293	1015	13	2.49	34.4	34
433	0	9	8	28	293	1015	12	2.29	22.3	22
434	0	9	8	29	293	1015	11	2.1	20	20
435	0	9	8	30	293	1015	10	1.9	15.9	19
436	0	9	8	31	293	1015	9	1.7	13.5	13
437	0	9	8	32	293	1015	8	1.5	10	10
438	0	9	8	33	293	1015	7	1.29	8	8.5
439	0	9	8	34	293	1015	6	1.09	7.2	7.5
440	0	9	8	35	293	1015	0	0	2.5	3
441	0	9	8	42	293	1015	6	1.09	6.5	6.5

1336	30	15	7	53	290	14.8	2.31	9.7	0	0
1337	210	15	7	55	290	14.7	8.9	3.5	0	0
1338	210	15	7	56	290	14.7	11.98	6	0	0
1339	210	15	7	57	290	14.7	15.31	11.7	0	0
1340	210	15	7	58	290	14.7	18.71	21.7	0	0
1341	210	15	7	59	290	14.7	20.88	27	0	0
1342	210	15	8	0	290	14.8	24.61	37.1	0	0
1343	210	15	8	1	290	15	27.08	50	0	0
1344	210	15	8	2	290	15	29.37	55.9	0	0
1345	210	15	8	3	290	15	34	64.5	0	0
1346	210	15	8	4	290	15.1	38.1	69	0	0
1347	210	15	8	5	290	15.1	45.82	76.5	0	0
1348	210	15	8	6	290	15.1	41.88	74.5	0	0
1349	210	15	8	7	290	15	38.05	70.5	0	0
1350	210	15	8	8	290	14.8	33.62	65	0	0
1351	210	15	8	9	290	14.8	29.61	57.5	0	0
1352	210	15	8	10	290	14.8	26.97	51.7	0	0
1353	210	15	8	11	290	14.8	24.55	39	0	0
1354	210	15	8	12	290	14.7	21.76	30.7	0	0
1355	210	15	8	13	290	14.8	20.02	28.1	0	0
1356	210	15	8	14	290	14.9	17.89	23.2	0	0
1357	210	15	8	15	290	15	15.92	18.5	0	0
1358	210	15	8	16	290	15	12.54	12.5	0	0
1359	210	15	8	17	290	15	9.89	8.5	0	0
1360	210	15	8	18	290	15	5.15	4.5	0	0
1361	30	15	9	36	290	14.8	8.03	4.5	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

442	0	9	8	43	293	1015	7	1.29	7.5	8
443	0	9	8	44	293	1015	8	1.5	10	10
444	0	9	8	45	293	1015	9	1.7	13	12.5
445	0	9	8	46	293	1015	10	1.9	16	16
446	0	9	8	47	293	1015	11	2.1	19	19.5
447	0	9	8	48	293	1015	12	2.29	22.3	22.5
448	0	9	8	49	293	1015	13	2.49	33.5	33
449	0	9	8	50	293	1015	14	2.69	40.3	40
450	0	9	8	51	293	1015	15	2.88	45	45.5
451	0	9	8	52	293	1015	16	3.08	49	50
452	0	9	8	53	293	1015	18	3.47	57.5	56.5
453	0	9	8	54	293	1015	20	3.85	62.4	62.5
454	0	9	8	55	293	1015	22	4.23	66.5	66
455	0	9	8	56	293	1015	24	4.61	70	69.5
456	0	9	8	57	293	1015	28	5.35	71.3	71
457	0	9	8	58	293	1015	32	6.09	71	71
458	0	9	8	59	293	1015	45	8.38	70.5	71
459	30	9	9	1	293	1015	0	0	5	5
460	90	9	9	6	293	1015	0	0	114	0
461	120	9	9	9	293	1015	0	0	1.5	2
462	150	9	9	16	293	1015	0	0	1.5	1.5
463	300	9	9	19	293	1015	0	0	4	4.5
464	330	9	9	21	293	1015	0	0	5.5	5
465	60	9	9	40	293	1015	45	8.38	84	84
466	60	9	9	41	293	1015	32	6.09	78.5	79
467	60	9	9	42	293	1015	28	5.35	76.1	75

1362	30	15	9	37	290	14.6	9.97	6.5	0	0
1363	30	15	9	38	290	14.5	12.54	9.2	0	0
1364	30	15	9	39	290	14.5	15.41	13.8	0	0
1365	30	15	9	40	290	14.5	16.78	17	0	0
1366	30	15	9	41	290	14.7	19.23	23	0	0
1367	30	15	9	42	290	14.7	21.27	28	0	0
1368	30	15	9	43	290	14.8	24.28	39.4	0	0
1369	30	15	9	44	290	14.9	26.53	48.5	0	0
1370	30	15	9	45	290	14.8	29.91	58	0	0
1371	30	15	9	46	290	15	32.47	62	0	0
1372	30	15	9	47	290	14.9	36.84	69.5	0	0
1373	30	15	9	48	290	14.9	39.93	72	0	0
1374	30	15	9	49	290	15	45.73	77	0	0
1375	30	15	9	50	290	15	38.73	71.3	0	0
1376	30	15	9	51	290	15	34.73	66.4	0	0
1377	30	15	9	52	290	14.9	31.73	61.7	0	0
1378	30	15	9	53	290	14.8	28.69	55	0	0
1379	30	15	9	54	290	14.8	26.21	47.5	0	0
1380	30	15	9	55	290	14.7	23.64	38.5	0	0
1381	30	15	9	56	290	14.7	22.07	32	0	0
1382	30	15	9	57	290	14.7	19.76	27.3	0	0
1383	30	15	9	58	290	14.7	17.15	19.3	0	0
1384	30	15	9	59	290	14.7	14.26	13.5	0	0
1385	30	15	10	0	290	14.7	10.94	10	0	0
1386	30	15	10	1	290	14.6	7.41	7	0	0
1387	210	15	10	3	290	15	10.5	5	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

468	60	9	9	43	293	1015	24	4.61	70.5	70
469	60	9	9	44	293	1015	22	4.23	66	66
470	60	9	9	45	293	1015	20	3.85	61.2	62
471	60	9	9	46	293	1015	18	3.47	54.1	55
472	60	9	9	47	293	1015	16	3.08	48	48
473	60	9	9	48	293	1015	15	2.88	43.5	44
474	60	9	9	49	293	1015	14	2.69	38.5	38
475	60	9	9	50	293	1015	13	2.49	31	31
476	60	9	9	51	293	1015	12	2.29	25	25
477	60	9	9	52	293	1015	11	2.1	20	20
478	60	9	9	53	293	1015	10	1.9	16.5	17
479	60	9	9	54	293	1015	9	1.7	14	15
480	60	9	9	55	293	1015	8	1.5	12	12
481	60	9	9	56	293	1015	7	1.29	10.5	11
482	60	9	9	57	293	1015	6	1.09	8.5	9
483	60	9	9	58	293	1015	0	0	4	5
484	60	9	10	0	293	1015	6	1.09	6	6
485	60	9	10	1	293	1015	7	1.29	7	8
486	60	9	10	2	293	1015	8	1.5	10	9
487	60	9	10	3	293	1015	9	1.7	12	12
488	60	9	10	4	293	1015	10	1.9	14.5	15
489	60	9	10	5	293	1015	11	2.1	19	18
490	60	9	10	6	293	1015	12	2.29	24	24
491	60	9	10	7	293	1015	13	2.49	29.6	30
492	60	9	10	8	293	1015	14	2.69	36.5	37
493	60	9	10	9	293	1015	15	2.88	43	43

1388	210	15	10	4	290	15	12.87	7	0	0
1389	210	15	10	5	290	15	15.25	11.5	0	0
1390	210	15	10	6	290	15	17.53	15.5	0	0
1391	210	15	10	7	290	15	20.85	24.5	0	0
1392	210	15	10	8	290	14.9	24.13	32.5	0	0
1393	210	15	10	9	290	14.8	26.41	42	0	0
1394	210	15	10	10	290	14.8	29.89	57	0	0
1395	210	15	10	11	290	14.8	33.4	63.5	0	0
1396	210	15	10	12	290	14.9	39.03	71	0	0
1397	210	15	10	13	290	15	45.84	77	0	0
1398	210	15	10	14	290	14.9	42.16	75	0	0
1399	210	15	10	15	290	14.9	37.14	69.7	0	0
1400	210	15	10	16	290	14.8	33.41	64.5	0	0
1401	210	15	10	17	290	14.9	29.48	56.6	0	0
1402	210	15	10	18	290	15	25.79	44.5	0	0
1403	210	15	10	19	290	15	23.4	36	0	0
1404	210	15	10	20	290	15	21.47	30.5	0	0
1405	210	15	10	21	290	15	18.46	23	0	0
1406	210	15	10	22	290	14.9	16.35	17.3	0	0
1407	210	15	10	23	290	14.9	13.29	11.5	0	0
1408	210	15	10	24	290	15	9.69	7.5	0	0
1409	210	15	10	25	290	14.9	5.97	4.3	0	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

494	60	9	10	10	293	1015	16	3.08	47	47
495	60	9	10	11	293	1015	18	3.47	56.5	56
496	60	9	10	12	293	1015	20	3.85	61.5	62
497	60	9	10	13	293	1015	22	4.23	66	66
498	60	9	10	14	293	1015	24	4.61	70.5	70
499	60	9	10	15	293	1015	28	5.35	75	75
500	60	9	10	16	293	1015	32	6.09	79.3	79
501	60	9	10	17	293	1015	45	8.38	84	84
502	180	9	10	18	293	1015	45	8.38	70	0
503	180	9	10	19	293	1015	32	6.09	69	0
504	180	9	10	20	293	1015	28	5.35	68	0
505	180	9	10	21	293	1015	24	4.61	62.5	0
506	180	9	10	22	293	1015	22	4.23	56.5	57
507	180	9	10	23	293	1015	20	3.85	52	0
508	180	9	10	24	293	1015	18	3.47	44.5	0
509	180	9	10	25	293	1015	16	3.08	33.4	0
510	180	9	10	26	293	1015	15	2.88	28.5	0
511	180	9	10	27	293	1015	14	2.69	29	0
512	180	9	10	28	293	1015	13	2.49	17.5	0
513	180	9	10	29	293	1015	12	2.29	15	15
514	180	9	10	30	293	1015	11	2.1	13	13
515	180	9	10	31	293	1015	10	1.9	10	10.5
516	180	9	10	32	293	1015	9	1.7	8.4	9
517	180	9	10	33	293	1015	8	1.5	6.3	7
518	180	9	10	34	293	1015	7	1.29	5.3	5.5
519	180	9	10	35	293	1015	6	1.09	2.5	3

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

520	180	9	10	36	293	1015	0	0	0.5	0
521	180	9	10	37	293	1015	6	1.09	3.5	4
522	180	9	10	38	293	1015	7	1.29	5	5.5
523	180	9	10	39	293	1015	8	1.5	6.5	7
524	180	9	10	40	293	1015	9	1.7	8	10
525	180	9	10	41	293	1015	10	1.9	10	12
526	180	9	10	42	293	1015	11	2.1	12	15
527	180	9	10	43	293	1015	12	2.29	14.5	0
528	180	9	10	44	293	1015	13	2.49	19.4	0
529	180	9	10	45	293	1015	14	2.69	23.5	0
530	180	9	10	46	293	1015	15	2.88	32	0
531	180	9	10	47	293	1015	16	3.08	36	0
532	180	9	10	48	293	1015	18	3.47	42.5	0
533	180	9	10	49	293	1015	20	3.85	53.5	0
534	180	9	10	50	293	1015	22	4.23	56	0
535	180	9	10	51	293	1015	24	4.61	62.1	0
536	180	9	10	52	293	1015	28	5.35	68	0
537	180	9	10	53	293	1015	32	6.09	70	0
538	180	9	10	54	293	1015	45	8.38	69.3	0
539	180	9	10	54	293	1015	45	8.38	69.5	0
540	210	9	10	56	293	1015	45	8.38	84.5	0
541	210	9	10	57	293	1015	32	6.09	79	0
542	210	9	10	58	293	1015	28	5.35	75	0
543	210	9	10	59	293	1015	24	4.61	69	0
544	210	9	11	0	293	1015	22	4.23	65	0
545	210	9	11	1	293	1015	20	3.85	59.5	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

546	210	9	11	2	293	1015	18	3.47	51.5	0
547	210	9	11	3	293	1015	16	3.08	45	0
548	210	9	11	4	293	1015	15	2.88	38.5	0
549	210	9	11	5	293	1015	14	2.69	32.7	0
550	210	9	11	6	293	1015	13	2.49	26	0
551	210	9	11	7	293	1015	12	2.29	19	0
552	210	9	11	8	293	1015	11	2.1	15.5	0
553	210	9	11	9	293	1015	10	1.9	13.5	0
554	210	9	11	10	293	1015	9	1.7	11	0
555	210	9	11	11	293	1015	8	1.5	8.5	0
556	210	9	11	12	293	1015	7	1.29	7	0
557	210	9	11	13	293	1015	6	1.09	4.7	0
558	210	9	11	14	293	1015	0	0	1.5	0
559	210	9	11	16	293	1015	6	1.09	3.4	0
560	210	9	11	17	293	1015	7	1.29	5.5	0
561	210	9	11	18	293	1015	8	1.5	7	0
562	210	9	11	19	293	1015	9	1.7	10.4	0
563	210	9	11	20	293	1015	10	1.9	12.7	0
564	210	9	11	21	293	1015	11	2.1	16.5	0
565	210	9	11	22	293	1015	12	2.29	21	0
566	210	9	11	23	293	1015	13	2.49	25.5	0
567	210	9	11	24	293	1015	14	2.69	33	0
568	210	9	11	25	293	1015	15	2.88	38.5	0
569	210	9	11	26	293	1015	16	3.08	45.1	0
570	210	9	11	26	293	1015	16	3.08	45.1	0
571	210	9	11	27	293	1015	18	3.47	52.8	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

572	210	9	11	28	293	1015	20	3.85	60.3	0
573	210	9	11	29	293	1015	22	4.23	65	0
574	210	9	11	30	293	1015	24	4.61	69	0
575	210	9	11	31	293	1015	28	5.35	74.5	0
576	210	9	11	32	293	1015	32	6.09	79.5	0
577	210	9	11	33	293	1015	45	8.38	84	0
578	210	9	11	34	293	1015	16	3.08	46	0
579	240	9	11	35	293	1015	45	8.38	84.5	0
580	240	9	11	36	293	1015	32	6.09	79	0
581	240	9	11	37	293	1015	28	5.35	76	0
582	240	9	11	38	293	1015	24	4.61	69	0
583	240	9	11	39	293	1015	22	4.23	65	0
584	240	9	11	40	293	1015	20	3.85	59.7	60
585	240	9	11	41	293	1015	18	3.47	51	0
586	240	9	11	42	293	1015	16	3.08	46	0
587	240	9	11	43	293	1015	15	2.88	37	0
588	240	9	11	44	293	1015	14	2.69	30	0
589	240	9	11	45	293	1015	13	2.49	26	0
590	240	9	11	46	293	1015	12	2.29	20.3	0
591	240	9	11	47	293	1015	11	2.1	16	0
592	240	9	11	48	293	1015	10	1.9	13.3	0
593	240	9	11	49	293	1015	9	1.7	10	0
594	240	9	11	50	293	1015	8	1.5	8.5	0
595	240	9	11	51	293	1015	7	1.29	7	7
596	240	9	11	52	293	1015	6	1.09	5.5	6
597	240	9	11	53	293	1015	0	0	1.5	6

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

598	240	9	11	55	293	1015	6	1.09	4	4.5
599	240	9	11	56	293	1015	7	1.29	5.7	6
600	240	9	11	57	293	1015	8	1.5	8	8
601	240	9	11	58	293	1015	9	1.7	10	11
602	240	9	11	59	293	1015	10	1.9	14.5	14
603	240	9	12	0	293	1015	11	2.1	16	0
604	240	9	12	1	293	1015	12	2.29	20.5	0
605	240	9	12	2	293	1015	13	2.49	24.4	0
606	240	9	12	3	293	1015	14	2.69	31.2	0
607	240	9	12	4	293	1015	15	2.88	41.5	0
608	240	9	12	5	293	1015	16	3.08	39.7	0
609	240	9	12	6	293	1015	18	3.47	53.5	0
610	240	9	12	7	293	1015	20	3.85	58.7	58.5
611	240	9	12	8	293	1015	22	4.23	64.7	0
612	240	9	12	9	293	1015	24	4.61	69	0
613	240	9	12	10	293	1015	28	5.35	75	0
614	240	9	12	11	293	1015	32	6.09	79.5	0
615	240	9	12	12	293	1015	45	8.38	84.5	0
616	300	9	12	14	293	1015	0	0	4	5
617	330	9	12	16	293	1015	0	0	5	5
618	30	9	12	18	293	1015	0	0	4	4.5
619	90	9	12	20	293	1015	0	0	118.1	0
620	120	9	12	22	293	1015	0	0	3	3
621	150	9	12	23	293	1015	0	0	3.3	2.5
622	270	9	2	55	293	1015	45	8.38	84	0
623	270	9	2	56	293	1015	32	6.09	79.5	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

624	270	9	2	57	293	1015	28	5.35	77	0
625	270	9	2	58	293	1015	24	4.61	70	0
626	270	9	2	59	293	1015	22	4.23	65	0
627	270	9	3	0	293	1015	20	3.85	61	0
628	270	9	3	1	293	1015	18	3.47	51	0
629	270	9	3	2	293	1015	16	3.08	47	0
630	270	9	3	3	293	1015	15	2.88	42.5	0
631	270	9	3	4	293	1015	14	2.69	35	0
632	270	9	3	5	293	1015	13	2.49	28	0
633	270	9	3	6	293	1015	12	2.29	21	0
634	270	9	3	7	293	1015	11	2.1	18	0
635	270	9	3	8	293	1015	10	1.9	15	0
636	270	9	3	9	293	1015	9	1.7	12	0
637	270	9	3	10	293	1015	8	1.5	9	0
638	270	9	3	11	293	1015	7	1.29	6	0
639	270	9	3	12	293	1015	6	1.09	6	0
640	270	9	3	13	293	1015	0	0	1	0
641	270	9	3	15	293	1015	6	1.09	5	0
642	270	9	3	16	293	1015	7	1.29	6	0
643	270	9	3	17	293	1015	8	1.5	8	0
644	270	9	3	18	293	1015	9	1.7	10	0
645	270	9	3	19	293	1015	10	1.9	14	0
646	270	9	3	20	293	1015	11	2.1	17	0
647	270	9	3	21	293	1015	12	2.29	22	0
648	270	9	3	22	293	1015	13	2.49	26.5	0
649	270	9	3	23	293	1015	14	2.69	34.5	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

650	270	9	3	24	293	1015	15	2.88	41	0
651	270	9	3	25	293	1015	16	3.08	46.5	0
652	270	9	3	26	293	1015	18	3.47	54.5	0
653	270	9	3	27	293	1015	20	3.85	59	0
654	270	9	3	28	293	1015	22	4.23	66	0
655	270	9	3	29	293	1015	24	4.61	70	0
656	270	9	3	30	293	1015	28	5.35	75	0
657	270	9	3	31	293	1015	32	6.09	78	0
658	270	9	3	32	293	1015	45	8.38	84	0
659	0	9	3	34	293	1015	45	8.38	70	0
660	0	9	3	35	293	1015	32	6.09	70	0
661	0	9	3	36	293	1015	28	5.35	70	0
662	0	9	3	37	293	1015	24	4.61	68	0
663	0	9	3	38	293	1015	22	4.23	65	0
664	0	9	3	39	293	1015	20	3.85	60	0
665	0	9	3	40	293	1015	18	3.47	54	0
666	0	9	3	41	293	1015	16	3.08	46	0
667	0	9	3	43	293	1015	15	2.88	41	0
668	0	9	3	44	293	1015	14	2.69	38	0
669	0	9	3	45	293	1015	13	2.49	28	0
670	0	9	3	46	293	1015	12	2.29	20	0
671	0	9	3	47	293	1015	11	2.1	17	0
672	0	9	3	48	293	1015	10	1.9	15	0
673	0	9	3	49	293	1015	9	1.7	12	0
674	0	9	3	50	293	1015	8	1.5	10	0
675	0	9	3	51	293	1015	7	1.29	8	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

676	0	9	3	52	293	1015	6	1.09	6	0
677	0	9	3	53	293	1015	0	0	2	0
678	0	9	3	54	293	1015	6	1.09	5	0
679	0	9	3	55	293	1015	7	1.29	8.5	0
680	0	9	3	56	293	1015	8	1.5	10	0
681	0	9	3	57	293	1015	9	1.7	12	0
682	0	9	3	58	293	1015	10	1.9	15	0
683	0	9	3	59	293	1015	11	2.1	17.5	0
684	0	9	4	0	293	1015	12	2.29	20	0
685	0	9	4	1	293	1015	13	2.49	27	0
686	0	9	4	2	293	1015	14	2.69	36	0
687	0	9	4	3	293	1015	15	2.88	39	0
688	0	9	4	4	293	1015	16	3.08	44	0
689	0	9	4	5	293	1015	18	3.47	52.5	0
690	0	9	4	6	293	1015	20	3.85	59	0
691	0	9	4	7	293	1015	22	4.23	65	0
692	0	9	4	8	293	1015	24	4.61	69	0
693	0	9	4	9	293	1015	28	5.35	70	0
694	0	9	4	10	293	1015	32	6.09	71	0
695	0	9	4	11	293	1015	45	8.38	69	0
1086	30	14	3	17	293	1015	45	8.38	83.5	0
1087	30	14	3	18	293	1015	32	6.09	78.5	0
1088	30	14	3	19	293	1015	28	5.35	75.4	0
1089	30	14	3	20	293	1015	24	4.61	68.4	0
1090	30	14	3	21	293	1015	22	4.23	65.9	0
1091	30	14	3	22	293	1015	20	3.85	60.5	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1092	30	14	3	23	293	1015	18	3.47	54	0
1093	30	14	3	24	293	1015	16	3.08	47	0
1094	30	14	3	25	293	1015	15	2.88	42.5	0
1095	30	14	3	26	293	1015	14	2.69	35.8	0
1096	30	14	3	27	293	1015	13	2.49	29	0
1097	30	14	3	28	293	1015	12	2.29	23	0
1098	30	14	3	29	293	1015	11	2.1	19	0
1099	30	14	3	30	293	1015	10	1.9	15.5	0
1100	30	14	3	31	293	1015	9	1.7	13.5	0
1101	30	14	3	32	293	1015	8	1.5	11	0
1102	30	14	3	33	293	1015	7	1.29	10	0
1103	30	14	3	34	293	1015	6	1.09	8.5	0
1104	30	14	3	35	293	1015	0	0	6	0
1105	30	14	3	36	293	1015	6	1.09	6.4	0
1106	30	14	3	37	293	1015	7	1.29	7.5	0
1107	30	14	3	38	293	1015	8	1.5	9.5	0
1108	30	14	3	39	293	1015	9	1.7	10.6	0
1109	30	14	3	40	293	1015	10	1.9	14	0
1110	30	14	3	41	293	1015	11	2.1	17.5	0
1111	30	14	3	42	293	1015	12	2.29	20	0
1112	30	14	3	43	293	1015	13	2.49	28.5	0
1113	30	14	3	44	293	1015	14	2.69	33.5	0
1114	30	14	3	45	293	1015	15	2.88	40.5	0
1115	30	14	3	46	293	1015	16	3.08	46	0
1116	30	14	3	47	293	1015	18	3.47	53	0
1117	30	14	3	48	293	1015	20	3.85	61	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1118	30	14	3	49	293	1015	22	4.23	65.5	0
1119	30	14	3	50	293	1015	24	4.61	68.5	0
1120	30	14	3	51	293	1015	28	5.35	75	0
1121	30	14	3	52	293	1015	32	6.09	77	0
1122	30	14	3	53	293	1015	45	8.38	83.9	0
1123	9	95	42	293	1015	5	0	0	0	0
1124	9	95	42	293	1015	5	0	0	0	0
1125	90	15	12	38	293	1015	12	2.29	23.5	0
1126	90	15	12	39	293	1015	11	2.1	20	0
1127	90	15	12	40	293	1015	10	1.9	127.5	0
1128	90	15	12	41	293	1015	9	1.7	125	0
1129	90	15	12	42	293	1015	8	1.5	122.5	0
1130	90	15	12	43	293	1015	7	1.29	121	0
1131	90	15	12	44	293	1015	6	1.09	118.5	0
1132	90	15	12	45	293	1015	0	0	115	0
1133	90	15	12	46	293	1015	6	1.09	116.5	0
1134	90	15	12	47	293	1015	7	1.29	118.5	0
1135	90	15	12	48	293	1015	8	1.5	121	0
1136	90	15	12	49	293	1015	9	1.7	123	0
1137	90	15	12	50	293	1015	10	1.9	127.5	0
1138	90	15	12	51	293	1015	11	2.1	129.3	0
1139	90	15	12	52	293	1015	12	2.29	134	0
1140	120	15	12	53	293	1015	12	2.29	24.7	0
1141	120	15	12	54	293	1015	11	2.1	19.5	0
1142	120	15	12	55	293	1015	10	1.9	16.5	0
1143	120	15	12	56	293	1015	9	1.7	13	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1144	120	15	12	57	293	1015	8	1.5	10.5	0
1145	120	15	12	58	293	1015	7	1.29	8.2	0
1146	120	15	12	59	293	1015	6	1.09	7.5	0
1147	120	15	1	0	293	1015	0	0	4.5	0
1148	120	15	1	1	293	1015	6	1.09	5.5	0
1149	120	15	1	2	293	1015	7	1.29	6.5	0
1150	120	15	1	3	293	1015	8	1.5	9.5	0
1151	120	15	1	4	293	1015	9	1.7	10.4	0
1152	120	15	1	5	293	1015	10	1.9	14.5	0
1153	120	15	1	6	293	1015	11	2.1	18	0
1154	120	15	1	7	293	1015	12	2.29	22	0
1155	150	15	1	8	293	1015	12	2.29	22.5	0
1156	150	15	1	9	293	1015	11	2.1	18.2	0
1157	150	15	1	10	293	1015	10	1.9	16.5	0
1158	150	15	1	11	293	1015	9	1.7	13	0
1159	150	15	1	12	293	1015	8	1.5	11	0
1160	150	15	1	13	293	1015	7	1.29	8.5	0
1161	150	15	1	14	293	1015	6	1.09	6.6	0
1162	150	15	1	15	293	1015	0	0	4	0
1163	150	15	1	16	293	1015	6	1.09	5.4	0
1164	150	15	1	17	293	1015	7	1.29	5.6	0
1165	150	15	1	18	293	1015	8	1.5	8.5	0
1166	150	15	1	19	293	1015	9	1.7	12	0
1167	150	15	1	20	293	1015	10	1.9	13.4	0
1168	150	15	1	21	293	1015	11	2.1	17	0
1169	150	15	1	22	293	1015	12	2.29	22.6	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1170	300	15	1	23	293	1015	12	2.29	24.7	0
1171	300	15	1	24	293	1015	11	2.1	19	0
1172	300	15	1	25	293	1015	10	1.9	16.5	0
1173	300	15	1	26	293	1015	9	1.7	15.2	0
1174	300	15	1	27	293	1015	8	1.5	11.2	0
1175	300	15	1	28	293	1015	7	1.29	9.5	0
1176	300	15	1	29	293	1015	6	1.09	7	0
1177	300	15	1	30	293	1015	0	0	4.5	0
1178	300	15	1	31	293	1015	6	1.09	6	0
1179	300	15	1	32	293	1015	7	1.29	7.5	0
1180	300	15	1	33	293	1015	8	1.5	9.2	0
1181	300	15	1	34	293	1015	9	1.7	12.2	0
1182	300	15	1	35	293	1015	10	1.9	14	0
1183	300	15	1	36	293	1015	11	2.1	17.5	0
1184	300	15	1	37	293	1015	12	2.29	22.5	0
1185	330	15	1	38	293	1015	12	2.29	25.5	0
1186	330	15	1	39	293	1015	11	2.1	19.5	0
1187	330	15	1	40	293	1015	10	1.9	17	0
1188	330	15	1	41	293	1015	9	1.7	14	0
1189	330	15	1	42	293	1015	8	1.5	12	0
1190	330	15	1	43	293	1015	7	1.29	9.7	0
1191	330	15	1	44	293	1015	6	1.09	7	0
1192	330	15	1	45	293	1015	0	0	5	0
1193	330	15	1	46	293	1015	6	1.09	6.5	0
1194	330	15	1	47	293	1015	7	1.29	7	0
1195	330	15	1	48	293	1015	8	1.5	9.5	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1196	330	15	1	49	293	1015	9	1.7	12.2	0
1197	330	15	1	50	293	1015	10	1.9	16.5	0
1198	330	15	1	51	293	1015	11	2.1	19.2	0
1199	330	15	1	52	293	1015	12	2.29	25.5	0
1200	330	15	1	52	293	1015	12	2.29	25.5	0
1201	330	15	1	53	293	1015	6	1.09	19	0
1202	90	15	2	26	293	1015	12	2.29	24	0
1203	90	15	2	27	293	1015	11	2.1	129	0
1204	90	15	2	28	293	1015	10	1.9	126.7	0
1205	90	15	2	29	293	1015	9	1.7	124.7	0
1206	90	15	2	30	293	1015	8	1.5	120.5	0
1207	90	15	2	31	293	1015	7	1.29	119	0
1208	90	15	2	32	293	1015	6	1.09	116	0
1209	90	15	2	33	293	1015	0	0	113	0
1210	90	15	2	34	293	1015	6	1.09	116	0
1211	90	15	2	35	293	1015	7	1.29	118	0
1212	90	15	2	36	293	1015	8	1.5	121.5	0
1213	90	15	2	37	293	1015	9	1.7	123	0
1214	90	15	2	38	293	1015	10	1.9	126	0
1215	90	15	2	39	293	1015	11	2.1	130	0
1216	90	15	2	40	293	1015	12	2.29	134.5	0
1217	120	15	2	41	293	1015	12	2.29	24.5	0
1218	120	15	2	42	293	1015	11	2.1	17.5	0
1219	120	15	2	43	293	1015	10	1.9	14.5	0
1220	120	15	2	44	293	1015	9	1.7	12	0
1221	120	15	2	45	293	1015	8	1.5	10.5	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1222	120	15	2	46	293	1015	7	1.29	7.5	0
1223	120	15	2	47	293	1015	6	1.09	6	0
1224	120	15	2	48	293	1015	0	0	2.5	0
1225	120	15	2	49	293	1015	6	1.09	4.5	0
1226	120	15	2	50	293	1015	7	1.29	6.5	0
1227	120	15	2	51	293	1015	8	1.5	9	0
1228	120	15	2	52	293	1015	9	1.7	11.5	0
1229	120	15	2	53	293	1015	10	1.9	12.5	0
1230	120	15	2	54	293	1015	11	2.1	17	0
1231	120	15	2	55	293	1015	12	2.29	24.5	0
1232	150	15	2	56	293	1015	12	2.29	24	0
1233	150	15	2	57	293	1015	11	2.1	17.5	0
1234	150	15	2	58	293	1015	10	1.9	14	0
1235	150	15	3	0	293	1015	9	1.7	11.6	0
1236	150	15	3	1	293	1015	8	1.5	9	0
1237	150	15	3	2	293	1015	7	1.29	7.5	0
1238	150	15	3	3	293	1015	6	1.09	5.5	0
1239	150	15	3	4	293	1015	0	0	2.5	0
1240	150	15	3	5	293	1015	6	1.09	4.5	0
1241	150	15	3	6	293	1015	7	1.29	7	0
1242	150	15	3	7	293	1015	8	1.5	7.5	0
1243	150	15	3	8	293	1015	9	1.7	12.5	0
1244	150	15	3	9	293	1015	10	1.9	14.5	0
1245	150	15	3	10	293	1015	11	2.1	18.5	0
1246	150	15	3	11	293	1015	12	2.29	23.5	0
1247	300	15	3	12	293	1015	12	2.29	27.5	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1248	300	15	3	13	293	1015	11	2.1	21.5	0
1249	300	15	3	14	293	1015	10	1.9	17	0
1250	300	15	3	15	293	1015	9	1.7	13.5	0
1251	300	15	3	16	293	1015	8	1.5	13.5	0
1252	300	15	3	17	293	1015	7	1.29	9	0
1253	300	15	3	18	293	1015	6	1.09	6.8	0
1254	300	15	3	19	293	1015	0	0	6	0
1255	300	15	3	20	293	1015	6	1.09	7	0
1256	300	15	3	21	293	1015	7	1.29	8.5	0
1257	300	15	3	22	293	1015	8	1.5	11.4	0
1258	300	15	3	23	293	1015	9	1.7	13.5	0
1259	300	15	3	24	293	1015	10	1.9	16.5	0
1260	300	15	3	25	293	1015	11	2.1	21	0
1261	300	15	3	26	293	1015	12	2.29	27	0
1262	330	15	3	27	293	1015	15	2.88	46	0
1263	330	15	3	28	293	1015	12	2.29	29	0
1264	330	15	3	29	293	1015	11	2.1	21.5	0
1265	330	15	3	30	293	1015	10	1.9	17.5	0
1266	330	15	3	31	293	1015	9	1.7	9.5	0
1267	330	15	3	32	293	1015	8	1.5	12	0
1268	330	15	3	33	293	1015	7	1.29	10	0
1269	330	15	3	34	293	1015	6	1.09	8.5	0
1270	330	15	3	35	293	1015	0	0	5	0
1271	330	15	3	36	293	1015	6	1.09	6.5	0
1272	330	15	3	37	293	1015	7	1.29	8	0
1273	330	15	3	38	293	1015	8	1.5	12.2	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1274	330	15	3	39	293	1015	9	1.7	15.4	0
1275	330	15	3	40	293	1015	10	1.9	17	0
1276	330	15	3	41	293	1015	11	2.1	21.2	0
1277	330	15	3	42	293	1015	12	2.29	28.5	0
1278	90	15	4	8	293	1015	12	2.29	137.4	0
1279	90	15	4	9	293	1015	11	2.1	131.5	0
1280	90	15	4	10	293	1015	10	1.9	128	0
1281	90	15	4	11	293	1015	9	1.7	125.2	0
1282	90	15	4	12	293	1015	8	1.5	124	0
1283	90	15	4	13	293	1015	7	1.29	121	0
1284	90	15	4	14	293	1015	6	1.09	119	0
1285	90	15	4	15	293	1015	0	0	115	0
1286	90	15	4	16	293	1015	6	1.09	115.5	0
1287	90	15	4	17	293	1015	7	1.29	118	0
1288	90	15	4	18	293	1015	8	1.5	122	0
1289	90	15	4	19	293	1015	9	1.7	125	0
1290	90	15	4	20	293	1015	10	1.9	128.2	0
1291	90	15	4	21	293	1015	11	2.1	131.5	0
1292	90	15	4	22	293	1015	12	2.29	137	0
1293	120	15	4	23	293	1015	12	2.29	27	0
1294	120	15	4	24	293	1015	11	2.1	24	0
1295	120	15	4	25	293	1015	10	1.9	18.5	0
1296	120	15	4	26	293	1015	9	1.7	15.6	0
1297	120	15	4	27	293	1015	8	1.5	13	0
1298	120	15	4	28	293	1015	7	1.29	10.3	0
1299	120	15	4	29	293	1015	6	1.09	8.5	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1300	120	15	4	30	293	1015	0	0	4.5	0
1301	120	15	4	31	293	1015	6	1.09	5	0
1302	120	15	4	32	293	1015	7	1.29	7	0
1303	120	15	4	33	293	1015	8	1.5	9.5	0
1304	120	15	4	34	293	1015	9	1.7	12.4	0
1305	120	15	4	35	293	1015	10	1.9	14.5	0
1306	120	15	4	36	293	1015	11	2.1	20	0
1307	120	15	4	37	293	1015	12	2.29	25	0
1308	150	15	4	38	293	1015	12	2.29	29.5	0
1309	150	15	4	39	293	1015	11	2.1	24.5	0
1310	150	15	4	40	293	1015	10	1.9	19.5	0
1311	150	15	4	41	293	1015	9	1.7	17	0
1312	150	15	4	42	293	1015	8	1.5	14.4	0
1410	30	15	1	4	293	1015	45	8.38	83.7	0
1411	30	15	1	5	293	1015	32	6.09	80	0
1412	30	15	1	6	293	1015	28	5.35	76	0
1413	30	15	1	7	293	1015	24	4.61	71.3	0
1414	30	15	1	8	293	1015	22	4.23	66.5	0
1415	30	15	1	9	293	1015	20	3.85	62	0
1416	30	15	1	10	293	1015	18	3.47	56.5	0
1417	30	15	1	11	293	1015	16	3.08	48.5	0
1418	30	15	1	12	293	1015	15	2.88	43	0
1419	30	15	1	13	293	1015	14	2.69	37.3	0
1420	30	15	1	14	293	1015	13	2.49	30.7	0
1421	30	15	1	15	293	1015	12	2.29	25.4	0
1422	30	15	1	16	293	1015	11	2.1	20	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1423	30	15	1	17	293	1015	10	1.9	16	0
1424	30	15	1	18	293	1015	9	1.7	12.5	0
1425	30	15	1	19	293	1015	8	1.5	11.4	0
1426	30	15	1	20	293	1015	7	1.29	9	0
1427	30	15	1	21	293	1015	6	1.09	7.2	0
1428	30	15	1	22	293	1015	0	0	4	0
1429	30	15	1	23	293	1015	6	1.09	5	0
1430	30	15	1	24	293	1015	7	1.29	8	0
1431	30	15	1	25	293	1015	8	1.5	9.7	0
1432	30	15	1	26	293	1015	9	1.7	13	0
1433	30	15	1	27	293	1015	10	1.9	15.5	0
1434	30	15	1	28	293	1015	11	2.1	18.7	0
1435	30	15	1	29	293	1015	12	2.29	26	0
1436	30	15	1	30	293	1015	13	2.49	30	0
1437	30	15	1	31	293	1015	14	2.69	37.5	0
1438	30	15	1	32	293	1015	15	2.88	43.5	0
1439	30	15	1	33	293	1015	16	3.08	48.5	0
1440	30	15	1	34	293	1015	18	3.47	56	0
1441	30	15	1	35	293	1015	20	3.85	61.5	0
1442	30	15	1	36	293	1015	22	4.23	66	0
1443	30	15	1	37	293	1015	24	4.61	69.5	0
1444	30	15	1	38	293	1015	28	5.35	75.5	0
1445	30	15	1	39	293	1015	32	6.09	79.5	0
1446	30	15	1	40	293	1015	45	8.38	83.5	0
1447	30	15	2	0	293	1015	45	8.38	85.2	0
1448	30	15	2	1	293	1015	32	6.09	80.4	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1449	30	15	2	2	293	1015	28	5.35	77.5	0
1450	30	15	2	3	293	1015	24	4.61	72.5	0
1451	30	15	2	4	293	1015	22	4.23	68.5	0
1452	30	15	2	5	293	1015	20	3.85	65	0
1453	30	15	2	6	293	1015	18	3.47	59	0
1454	30	15	2	7	293	1015	16	3.08	51.2	0
1455	30	15	2	8	293	1015	15	2.88	47.5	0
1456	30	15	2	9	293	1015	14	2.69	39.4	0
1457	30	15	2	10	293	1015	13	2.49	32	0
1458	30	15	2	11	293	1015	12	2.29	27.5	0
1459	30	15	2	12	293	1015	11	2.1	22	0
1460	30	15	2	13	293	1015	10	1.9	19	0
1461	30	15	2	14	293	1015	9	1.7	17.5	0
1462	30	15	2	15	293	1015	8	1.5	14	0
1463	30	15	2	16	293	1015	7	1.29	11.3	0
1464	30	15	2	17	293	1015	6	1.09	10	0
1465	30	15	2	18	293	1015	0	0	5	0
1466	30	15	2	19	293	1015	6	1.09	5.5	0
1467	30	15	2	20	293	1015	7	1.29	8	0
1468	30	15	2	21	293	1015	8	1.5	10.5	0
1469	30	15	2	22	293	1015	9	1.7	13.5	0
1470	30	15	2	23	293	1015	10	1.9	16	0
1471	30	15	2	24	293	1015	11	2.1	20	0
1472	30	15	2	25	293	1015	12	2.29	27	0
1473	30	15	2	26	293	1015	13	2.49	33.1	0
1474	30	15	2	27	293	1015	14	2.69	41	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1475	30	15	2	28	293	1015	15	2.88	46.2	0
1476	30	15	2	29	293	1015	16	3.08	51	0
1477	30	15	2	30	293	1015	18	3.47	59.6	0
1478	30	15	2	31	293	1015	20	3.85	63.5	0
1479	30	15	2	32	293	1015	22	4.23	68	0
1480	30	15	2	33	293	1015	24	4.61	72	0
1481	30	15	2	34	293	1015	28	5.35	77	0
1482	30	15	2	35	293	1015	32	6.09	80.5	0
1483	30	15	2	36	293	1015	45	8.38	85	0
1484	300	15	2	39	293	1015	12	2.29	25.4	0
1485	300	15	2	40	293	1015	11	2.1	20.2	0
1486	300	15	2	41	293	1015	10	1.9	17.3	0
1487	300	15	2	42	293	1015	9	1.7	14.2	0
1488	300	15	2	43	293	1015	8	1.5	11.5	0
1489	300	15	2	44	293	1015	7	1.29	9.5	0
1490	300	15	2	45	293	1015	6	1.09	7.6	0
1491	300	15	2	46	293	1015	0	0	3.6	0
1492	300	15	2	47	293	1015	6	1.09	4	0
1493	300	15	2	48	293	1015	7	1.29	6	0
1494	300	15	2	49	293	1015	8	1.5	8.5	0
1495	300	15	2	50	293	1015	9	1.7	12.5	0
1496	300	15	2	51	293	1015	10	1.9	15.5	0
1497	300	15	2	52	293	1015	11	2.1	20.5	0
1498	300	15	2	53	293	1015	12	2.29	24.3	0
1499	330	15	2	54	293	1015	12	2.29	28	0
1500	330	15	2	55	293	1015	11	2.1	20	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

1501	330	15	2	56	293	1015	10	1.9	18.5	0
1502	330	15	2	57	293	1015	9	1.7	15.5	0
1503	330	15	2	58	293	1015	8	1.5	13	0
1504	330	15	2	59	293	1015	7	1.29	9.5	0
1505	330	15	3	0	293	1015	6	1.09	8	0
1506	330	15	3	1	293	1015	0	0	4	0
1507	330	15	3	2	293	1015	6	1.09	5.5	0
1508	330	15	3	3	293	1015	7	1.29	8	0
1509	330	15	3	4	293	1015	8	1.5	12	0
1510	330	15	3	5	293	1015	9	1.7	13.5	0
1511	330	15	3	6	293	1015	10	1.9	16	0
1512	330	15	3	7	293	1015	11	2.1	20	0
1513	330	15	3	8	293	1015	12	2.29	27	0

MPF WINDSOCK CALIBRATION DATA (Earthlike Pressure)											MPF WINDSOCK CALIBRATION DATA (near Mars Pressures)										
Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Earth	Fan Speed	U (W. spd)	DA 1	DA 2	Trial No.	AZ	Day Sep 95	Hr	Min	Temp K	Press Mbar Mars	Fan Speed	U (W. spd)	DA 1	DA 2

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