ANNEX U
To
CRITIQUE OF ALL NASA MARS WEATHER DATA

Comparison of Ultraviolet Radiation and Pressures at Gale Crater, Mars for MSL Years 1, 2 & 3.

Before looking at the REMS (Rover Environmental Monitoring Station)/NASA ultraviolet radiation data, it's important to understand that the criticism we offer here is unlike that found anywhere else because we have had an impact on the NASA data. NASA publishes their MSL data, we analyze it, and look for data off the (politically) expected curve. We then publish our color-coded spreadsheets complete with print screens of the odds NASA data, and wait for NASA to change the figures on their side. Almost always they do, although with respect to pressure, what they change is, we believe, still wrong by two orders of magnitude. When NASA alters its data we again capture it by print-screen and we publish it to prove that NASA takes its cues for what they can get away with from us. For purposes of clarity the spreadsheets and print-screens are the work of Barry Roffman. Questions about them or suggested corrections should be sent to Barrysroffman@gmail.com. By corrections that are politically driven we mean that if pressures are varying on a steady downward trend from 750 to 715 Pascals, the sudden insertion of pressures that are over 1,167 Pascals are out of place. This is especially true when 1,167 Pa reading is on the exact sol (2002) that a month earlier we had predicted would see the minimum annual pressure. Since their obvious error was on the day we predicted and since they corrected it after we mocked it (see http://davidaroffman.com/images/merged_2.png) it appears that there are people at NASA who like to play games with Mars weather data.

Where can you find our data with included print-screens? Here:

TABLE 23A - MARS SCIENCE LABORATORY DAILY WEATHER REPORTS		
MARS SCIENCE LAB SOLS and LINKS	**SOLAR LONGITUDE (Ls)**	**SEASONS**
1-669	**150 to 150**	4 SEASONS: Note: JPL labels the first year of MSL on Mars as Year 0. We call it Year 1. Although we looked at revising everything we have on all web sites to conform to JPL, the number of changes required is too massive. When in doubt about the year check the sol number involved. Their Year 1 is our Year 2
670 to 866	**151 to 270**	**WINTER TO SUMMER YEAR 2**
865 to 1,020	**270 to 0 (360)**	**SUMMER YEAR 2**
1,019 to 1,213	**0 to 90**	**FALL YEAR 2**
1,213 to 1,392	**90 to 180**	**WINTER YEAR 2-3**
1,392 to 1,534	**180 to 270**	**SPRING YEAR 3**
1,534 to 1687	**270 to 0 (360)**	**SUMMER YEAR 3**
1688 to 1881	**0 to 90**	**FALL YEAR 3**
1881 to 2060	**90 to 180**	**WINTER YEAR 3-4**
2060 and onward	**180 to 270**	**SPRING YEAR 4**

Now, let's look at what NASA had published and revised for the first two Martian years of MSL operation and update it with what they currently offer after three Martian years. The next two tables show what we found after two Martian years there. A Martian has 669 sols (Martian days) with each about 37 minutes longer than an Earth day.

TABLE 23B		
Table 23B shows μv for 1,256 MSL sols. This chart was prepared before we double checked medium and high μv values. The check was necessary because medium and high μv values were only distinguished with a slight color difference unless the μv icon was clicked (see Figure 24). Table 23C with the red background is what remains after the REMS Team eliminated all low μv values. We believe that its credibility is highly suspect.		
UV INDEX	**NUMBER OF SOLS**	**% of SOLS**
EXTREMELY HIGH (μv value 5)	**0**	**0%**
VERY HIGH (μv value 4)	**192 (only 17 of these were in Year 2 with Sol 940 the last). Note: the next very high μv value occurs in MSL Year 3 with Sol 1403 at Ls 187.**	**15.3866%**
HIGH (μv value 3)	**491**	**39.0127%**
MEDIUM (μv value 2)	**465**	**36.9427%**
LOW (μv value 1)	**19**	**1.5127%**
N/A	**91**	**7.2452%**
Average μv value = 2.733906 (for 1,167 sols; 91 had no data.		

TABLE 23C		
FIGURES BELOW ARE FROM THE REMS TEAM AFTER THEY VISITED OUR SITES AND REVISED THEIR DATA AGAIN. Table 23C shows μv for 1,338 MSL sols.		
UV INDEX	**NUMBER OF SOLS**	**% of SOLS**
EXTREMELY HIGH (μv value 5)	0	0%
VERY HIGH (μv value 4)	192	14.3498
HIGH (μv value 3)	543	40.583%
MEDIUM (μv value 2)	495	36.9955%
LOW (μv value 1)	0	0%
N/A	108	8.0717%
Average μv value = 2.753659 for 1,230 sols (108 had no data).		

Table 23D - UV FOR 2,007 MSL SOLS		
+	NUMBER OF SOLS	% of SOLS
EXTREMELY HIGH (μv value 5)	0	0%
VERY HIGH (μv value 4)	250 (only 17 in Year 2)	13.18565%
HIGH (μv value 3)	1,095	57.753%
MEDIUM (μv value 2)	539	28.428%
LOW (μv value 1)	12 (none of these were in Year 3)	0.6329%
N/A	111	
Average μv value = 2.8349 for 1,886 sols; 111 had no data		

Table 23D - Initial ultraviolet radiation reported through 2,007 sols at MSL.

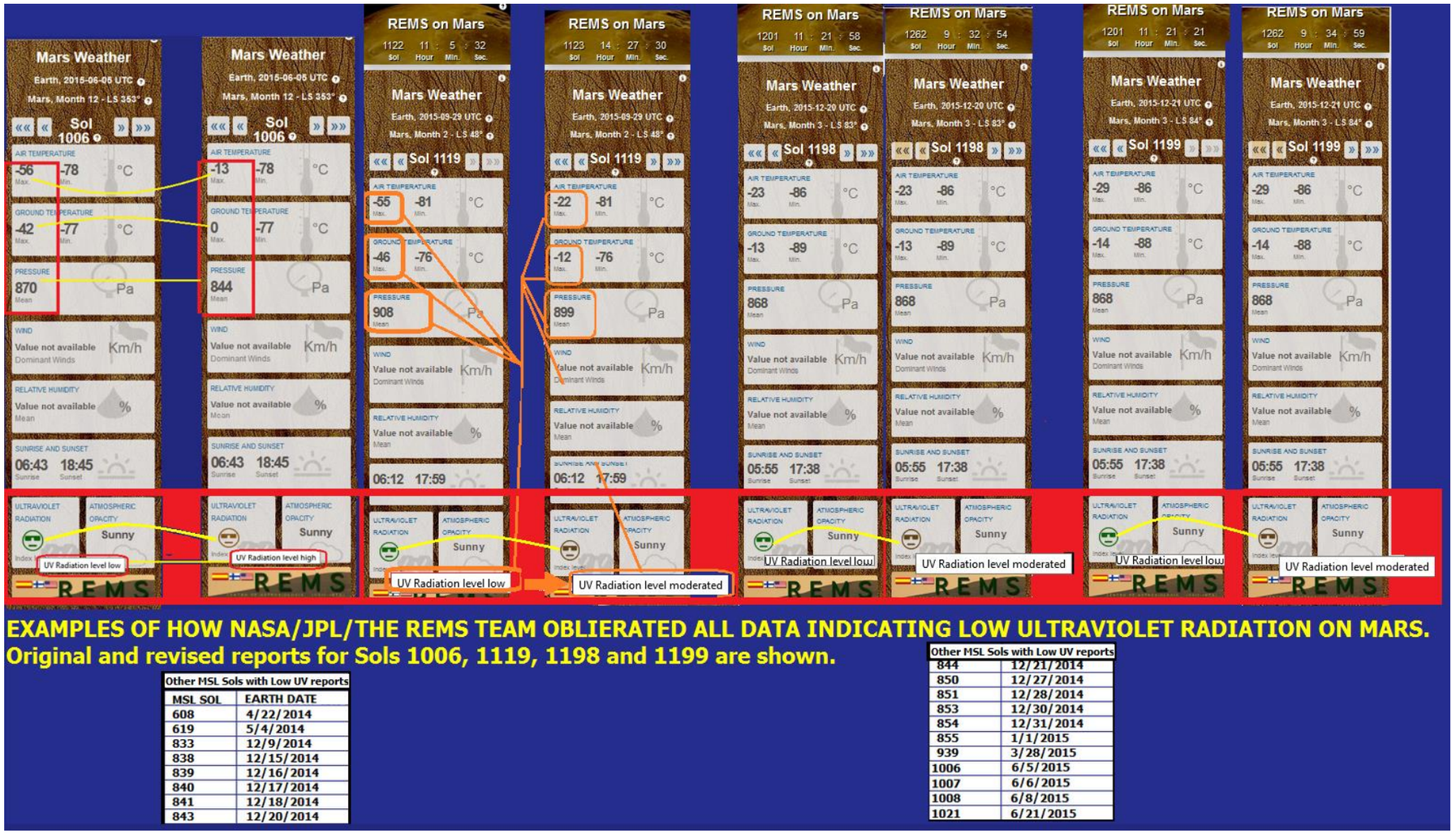
Our initial exact count of medium and high μv values might have been slightly off because the REMS reports relied primarily on a color code to denote μv level, and the colors they chose for medium and high values were almost identical. We noted on 2/22/2016 that after a visit to our sites by the Finnish Meteorological Institute which, working for the REMS Team and NASA bears responsibility for all MSL weather instruments, all 19 low μv values were altered to N/A or medium. **All low μv values after 2/22/2016 were also altered.** There were new low μv values posted by the REMS Team for Sols 1,610 and 1,611. We noted them on at http://marscorrect.com/photo4_19.html and have a print-screen of Sol 1,610 at http://marscorrect.com/images/sol_1610_error_fixed.png. Within three days of posting the low values JPL again altered them both (to Not Available). Evidently low pressure is not politically correct.

The μv results shown on Tables 23B through 23D were a bit surprising. If we use a number of 5 to represent a μv index of extremely high, 4 for very high, 3 for high, 2 for medium, and 1 for low, then (ignoring 111 sols where there was no data on Table 23D, **the average μv index was only about 2.8349 – between medium and high. This is surprisingly low** because NASA often cites what sounds like extremely high radiation (due to its allegedly thin atmosphere, lack of an atmospheric ozone layer and lack of a magnetic field) as reason why it is so difficult for life to survive on the surface of Mars, however there are other types of

radiation - not included on the REMS weather reports - that are supposedly measured by MSL Curiosity. In addition to identifying neutrons, gamma rays, protons, and alpha particles (subatomic fragments consisting of 2 protons and 2 neutrons, identical to helium nuclei, the Radiation Assessment Detector (RAD) RAD identifies heavy ions up to iron on the periodic table.

Why are low μv values problematic for NASA? One might think that with the ultra-thin atmosphere espoused by them, and no ozone layer, ultraviolet radiation on Mars would be extremely high on at least some days. But at least up to Sol 2066 on June 10, 2018 it never was, even though the REMS Team alleged that every single day at MSL so far has been "sunny." However, this claim by the REMS Team is easily refuted with data provided by the Malin Space Science Systems.

Why is the REMS Team indecisive about the idea of low μv values? Quite simply, 19 sols with low μv does not fit well with an atmosphere <1 % of Earth's, no ozone layer, and clear sky. That NASA threw out all low μv values after they read our concerns makes their action all the more suspect, especially because they have thrown out all wind reports after our objections, changed their totally wrong sunrise and sunset times to match David Roffman's calculations, and we document many changes made to their temperature and pressure data after we color- highlighted obvious concerns on our weather spreadsheets for MSL Years 1, 2, and 3 (see Table 23A above for links to all our data). Now again, after we recorded our observation of them removing low μv values, we record them read them reading our critique again and restoring most of these values. Eight years ago (now) Dr. David Roffman set out to understand Martian weather. At my suggestion, he wrote a simple 10-page paper (*Case for Higher Than Advertised Martian Air Pressure* – see http://davidaroffman.com/rich_text_6.html) for a technical writing course at Embry-Riddle Aeronautical University. That 10-page paper grew into this 1,030+/- page full Report (including our Annexes and Appendices). Indeed, with NASA and foreign space agencies constantly at our web sites reading the latest edition of this Report we can state that this Report is becoming a controlling factor in what NASA tells the world about Mars and in what the world believes about NASA's credibility on this topic. As such, we never took down our graphics about the original low μv values posted by the REMS Team. We are right. NASA is wrong. They know it, and thus as Figures 76A, 76B and 77 show, even on this they caved in to us and restored most of the low μv values.



Other MSL Sols with Low UV reports

MSL SOL	EARTH DATE
608	4/22/2014
619	5/4/2014
833	12/9/2014
838	12/15/2014
839	12/16/2014
840	12/17/2014
841	12/18/2014
843	12/20/2014

Other MSL Sols with Low UV reports

844	12/21/2014
850	12/27/2014
851	12/28/2014
853	12/30/2014
854	12/31/2014
855	1/1/2015
939	3/28/2015
1006	6/5/2015
1007	6/6/2015
1008	6/8/2015
1021	6/21/2015

Figure 75 - UV at MSL in Gale Crater, Mars up through its sol 1021 and the beginning of its second autumn on Mars. The REMS Team/JPL dropped all low μv values by February, 2016.

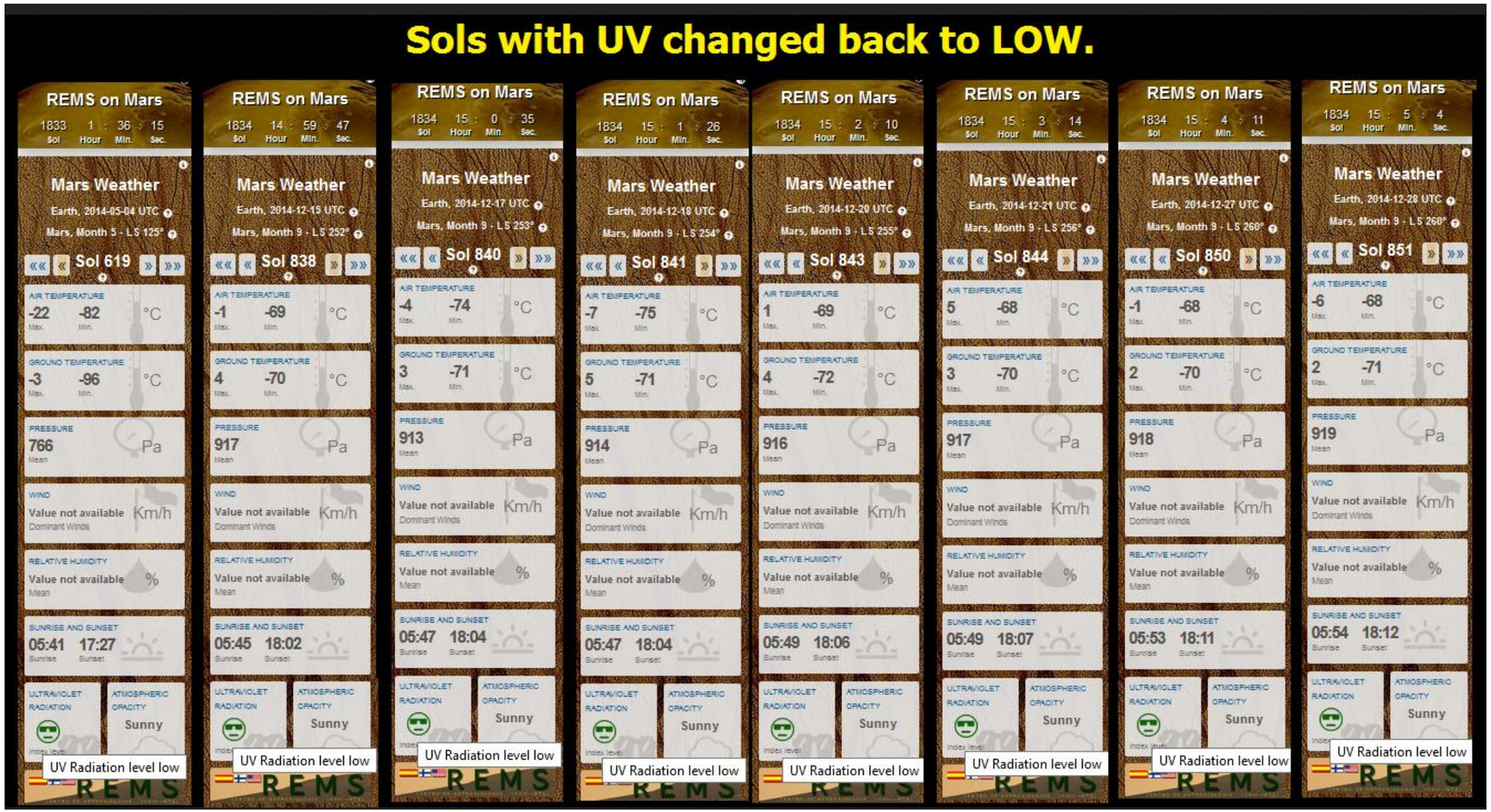


Figure 76 – Sols with μv changed back to low.

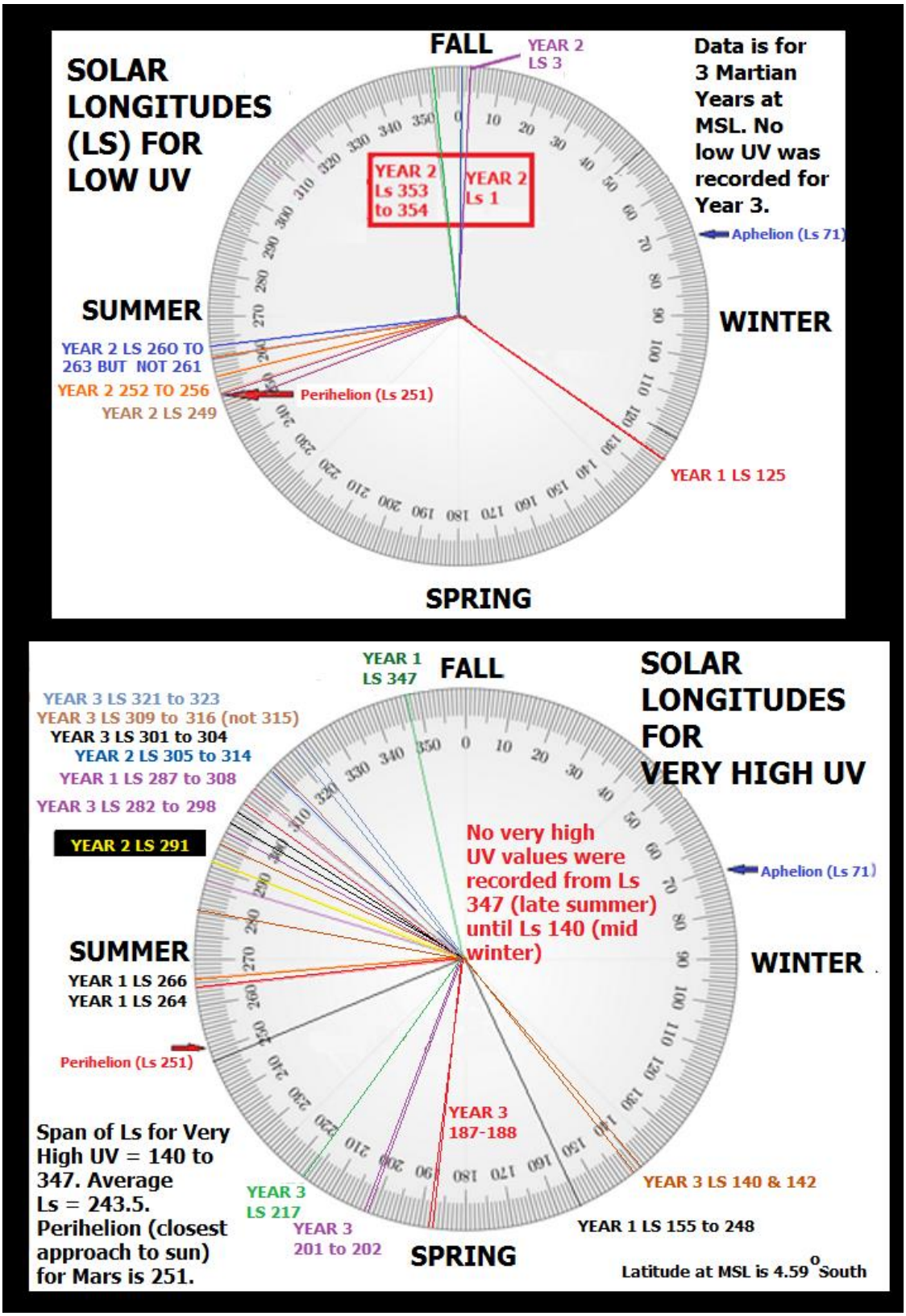


Figure 77 – Distribution by LS of low and very high μv.

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE

Table 2 below - Solar Longitude, Pressures and Ultraviolet Radiation for MSL during its First Three Martian Years.

1	150	N/A	N/A	N/A		670	H	3	151	737	N/A		1339	H	3	151	733
2	151	N/A	N/A	N/A		671	H	3	151	740	N/A		1340	H	3	151	734
3	152	N/A	N/A	N/A		672	H	3	152	739	N/A		1341	H	3	152	735
4	152	N/A	N/A	N/A		673	H	3	152	738	N/A		1342	H	3	152	735
5	153	N/A	N/A	N/A		674	H	3	153	734	N/A		1343	H	3	153	735
6	153	N/A	N/A	N/A		675	H	3	153	740	N/A		1344	H	3	153	734
7	154	N/A	N/A	N/A		676	H	3	154	738	N/A		1345	H	3	154	735
8	155	N/A	N/A	N/A		677	M	2	154	737	N/A		1346	H	3	155	737
9	155	N/A	N/A	N/A		678	M	2	155	739	N/A		1347	H	3	155	736
10	155	739	VH	4		679	M	2	155	738	2		1348	H	3	156	735
11	156	740	VH	4		680	M	2	156	740	2		1349	H	3	156	737
12	156	741	VH	4		681	M	2	156	738	2		1350	M	2	157	738
13	157	732	VH	4		682	H	3	157	739	1		1351	M	2	157	739
14	157	740	VH	4		683	H	3	158	741	1		1352	H	3	158	736
15	158	740	VH	4		684	M	2	158	741	2		1353	H	3	158	737
16	158	740	VH	4		685	H	3	159	740	1		1354	H	3	159	739
17	159	742	VH	4		686	H	3	159	738	1		1355	H	3	159	740
18	160	N/A	N/A	N/A		687	H	3	160	739	N/A		1356	H	3	160	739
19	160	N/A	N/A	N/A		688	H	3	160	741	N/A		1357	H	3	160	738
20	161	N/A	N/A	N/A		689	H	3	161	742	N/A		1358	H	3	161	738

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
21	161	741	VH	4		690	H	3	161	741	1		1359	H	3	162	737
22	162	742	VH	4		691	H	3	162	741	1		1360	H	3	162	739
23	162	741	VH	4		692	H	3	162	742	1		1361	H	3	163	739
24	163	742	VH	4		693	H	3	163	741	1		1362	H	3	163	739
25	163	743	VH	4		694	H	3	164	740	1		1363	H	3	164	740
26	164	745	VH	4		695	H	3	164	741	1		1364	H	3	164	740
27	164	743	VH	4		696	H	3	165	743	1		1365	H	3	165	739
28	165	745	VH	4		697	H	3	165	743	1		1366	H	3	165	740
29	166	747	VH	4		698	H	3	166	743	1		1367	H	3	166	743
30	166	747	VH	4		699	H	3	166	744	1		1368	H	3	167	743
31	167	745	VH	4		700	H	3	167	745	1		1369	H	3	167	742
32	167	N/A	N/A	N/A		701	H	3	167	745	N/A		1370	H	3	168	744
33	168	748	VH	4		702	H	3	168	745	1		1371	H	3	168	746
34	168	748	VH	4		703	H	3	169	747	1		1372	H	3	169	744
35	169	749	VH	4		704	H	3	169	747	1		1373	H	3	169	746
36	169	750	VH	4		705	H	3	170	746	1		1374	H	3	170	748
37	170	750	VH	4		706	H	3	170	748	1		1375	H	3	170	749
38	171	750	VH	4		707	H	3	171	749	1		1376	H	3	171	749
39	171	751	VH	4		708	H	3	171	749	1		1377	H	3	172	749
40	172	753	VH	4		709	H	3	172	750	1		1378	H	3	172	751
41	172	753	VH	4		710	H	3	172	751	1		1379	H	3	173	751

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
42	173	754	VH	4		711	H	3	173	751	1		1380	H	3	173	751
43	173	756	VH	4		712	H	3	174	752	1		1381	H	3	174	751
44	174	757	VH	4		713	H	3	174	754	1		1382	H	3	174	752
45	175	758	VH	4		714	M	2	175	754	2		1383	H	3	175	752
46	175	758	VH	4		715	M	2	175	755	2		1384	H	3	176	753
47	176	758	VH	4		716	H	3	176	755	1		1385	H	3	176	755
48	176	759	VH	4		717	H	3	176	756	1		1386	H	3	177	755
49	177	761	VH	4		718	H	3	177	757	1		1387	H	3	177	755
50	177	761	VH	4		719	H	3	178	758	1		1388	H	3	178	756
51	178	762	VH	4		720	H	3	178	761	1		1389	N/A	N/A	178	N/A
52	179	762	VH	4		721	H	3	179	761	1		1390	N/A	N/A	179	N/A
53	179	764	VH	4		722	H	3	179	760	1		1391	N/A	N/A	179	N/A
54	180	766	VH	4		723	H	3	180	761	1		1392	N/A	N/A	180	N/A
55	180	766	VH	4		724	H	3	181	763	1		1393	N/A	N/A	180	N/A
56	181	768	VH	4		725	H	3	181	764	1		1394	N/A	N/A	181	N/A
57	181	769	VH	4		726	H	3	182	766	1		1395	N/A	N/A	181	N/A
58	182	769	VH	4		727	H	3	182	766	1		1396	N/A	N/A	182	N/A
59	183	771	VH	4		728	H	3	183	766	1		1397	N/A	N/A	183	N/A
60	183	772	VH	4		729	H	3	183	768	1		1398	H	3	184	751
61	184	772	VH	4		730	H	3	184	770	1		1399	H	3	184	770
62	184	774	VH	4		731	H	3	185	771	1		1400	H	3	185	770

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
63	185	775	VH	4		732	H	3	185	773	1		1401	H	3	185	770
64	186	776	VH	4		733	H	3	186	773	1		1402	H	3	186	771
65	186	777	VH	4		734	H	3	186	776	1		1403	VH	4	187	775
66	187	778	VH	4		735	H	3	187	776	1		1404	H	3	187	774
67	187	780	VH	4		736	H	3	188	776	1		1405	VH	4	188	775
68	188	781	VH	4		737	H	3	188	777	1		1406	H	3	188	775
69	189	778	H	3		738	H	3	189	778	0		1407	H	3	189	779
70	189	783	VH	4		739	H	3	189	779	1		1408	H	3	190	779
71	190	784	VH	4		740	H	3	190	782	1		1409	H	3	190	781
72	190	785	VH	4		741	H	3	191	784	1		1410	H	3	191	782
73	191	788	VH	4		742	H	3	191	784	1		1411	H	3	191	782
74	192	790	VH	4		743	H	3	192	786	1		1412	H	3	192	782
75	192	791	VH	4		744	H	3	192	788	1		1413	H	3	193	784
76	193	792	VH	4		745	H	3	193	787	1		1414	H	3	193	785
77	193	792	VH	4		746	H	3	194	788	1		1415	H	3	194	787
78	194	793	VH	4		747	H	3	194	789	1		1416	H	3	194	791
79	195	795	VH	4		748	H	3	195	791	1		1417	H	3	195	791
80	195	796	VH	4		749	H	3	195	794	1		1418	H	3	196	793
81	196	798	VH	4		750	H	3	196	796	1		1419	H	3	196	793
82	196	799	VH	4		751	H	3	197	797	1		1420	H	3	197	793
83	197	801	VH	4		752	H	3	197	798	1		1421	H	3	197	797

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
84	198	801	VH	4		753	H	3	198	800	1		1422	H	3	198	800
85	198	805	VH	4		754	H	3	198	803	1		1423	H	3	199	800
86	199	808	VH	4		755	H	3	199	806	1		1424	H	3	199	803
87	199	808	VH	4		756	M	2	200	806	2		1425	H	3	200	804
88	200	811	VH	4		757	H	3	200	807	1		1426	H	3	200	803
89	201	813	VH	4		758	H	3	201	810	1		1427	VH	4	201	807
90	201	813	VH	4		759	H	3	201	809	1		1428	VH	4	202	808
91	202	817	VH	4		760	H	3	202	810	1		1429	VH	4	202	810
92	202	820	VH	4		761	H	3	203	814	1		1430	H	3	203	810
93	203	819	VH	4		762	H	3	203	814	1		1431	H	3	204	811
94	204	822	VH	4		763	H	3	204	817	1		1432	H	3	204	813
95	204	822	VH	4		764	H	3	205	821	1		1433	H	3	205	818
96	205	826	VH	4		765	H	3	205	820	1		1434	H	3	205	818
97	206	828	VH	4		766	H	3	206	824	1		1435	H	3	206	823
98	206	828	VH	4		767	H	3	206	824	1		1436	H	3	207	825
99	207	829	VH	4		768	H	3	207	826	1		1437	H	3	207	821
100	207	829	VH	4		769	H	3	208	829	1		1438	H	3	208	823
101	208	830	VH	4		770	H	3	208	829	1		1439	H	3	208	828
102	209	833	VH	4		771	H	3	209	836	1		1440	H	3	209	828
103	209	836	VH	4		772	H	3	210	835	1		1441	H	3	210	828
104	210	838	VH	4		773	H	3	210	838	1		1442	H	3	210	829

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
105	211	839	H	3		774	H	3	211	838	0		1443	H	3	211	831
106	211	841	H	3		775	H	3	211	838	0		1444	H	3	212	833
107	212	844	H	3		776	H	3	212	841	0		1445	H	3	212	836
108	212	845	H	3		777	H	3	213	841	0		1446	H	3	213	841
109	213	844	H	3		778	H	3	213	846	0		1447	H	3	214	841
110	214	848	H	3		779	H	3	214	845	0		1448	H	3	214	841
111	214	849	VH	4		780	H	3	215	852	1		1449	H	3	215	841
112	215	852	VH	4		781	M	2	215	849	2		1450	H	3	215	842
113	216	857	VH	4		782	M	2	216	854	2		1451	H	3	216	842
114	216	857	VH	4		783	M	2	216	853	2		1452	H	3	217	845
115	217	857	VH	4		784	M	2	217	857	2		1453	VH	4	217	850
116	217	859	VH	4		785	M	2	218	858	2		1454	H	3	218	854
117	218	861	VH	4		786	M	2	218	861	2		1455	H	3	219	858
118	219	864	VH	4		787	M	2	219	860	2		1456	H	3	220	859
119	219	866	VH	4		788	M	2	220	862	2		1457	H	3	220	860
120	220	867	VH	4		789	M	2	220	862	2		1458	H	3	220	859
121	221	869	H	3		790	M	2	221	864	1		1459	H	3	221	861
122	221	869	VH	4		791	M	2	222	867	2		1460	H	3	222	865
123	222	875	H	3		792	M	2	222	873	1		1461	H	3	222	870
124	223	876	VH	4		793	M	2	223	877	2		1462	H	3	223	871
125	223	880	VH	4		794	M	2	223	874	2		1463	H	3	224	871

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
126	224	880	VH	4		795	M	2	224	875	2		1464	H	3	224	871
127	224	884	VH	4		796	M	2	225	877	2		1465	H	3	225	870
128	225	883	H	3		797	M	2	225	879	1		1466	H	3	226	873
129	226	886	H	3		798	M	2	226	883	1		1467	H	3	226	877
130	226	888	H	3		799	M	2	227	884	1		1468	H	3	227	879
131	227	889	VH	4		800	M	2	227	884	2		1469	H	3	228	881
132	228	890	VH	4		801	M	2	228	884	2		1470	H	3	228	879
133	228	891	VH	4		802	M	2	229	887	2		1471	H	3	229	880
134	229	893	VH	4		803	M	2	229	888	2		1472	H	3	229	879
135	230	894	VH	4		804	M	2	230	891	2		1473	H	3	230	881
136	230	897	VH	4		805	M	2	231	893	2		1474	H	3	231	889
137	231	896	VH	4		806	M	2	231	893	2		1475	H	3	231	890
138	232	899	VH	4		807	M	2	232	892	2		1476	H	3	232	888
139	232	899	VH	4		808	M	2	232	893	2		1477	H	3	233	888
140	233	903	VH	4		809	M	2	233	891	2		1478	H	3	233	887
141	233	904	VH	4		810	M	2	234	897	2		1479	H	3	234	890
142	234	906	VH	4		811	M	2	234	900	2		1480	H	3	235	893
143	235	908	VH	4		812	M	2	235	902	2		1481	H	3	235	893
144	235	907	VH	4		813	M	2	236	904	2		1482	H	3	236	893
145	236	909	VH	4		814	M	2	236	902	2		1483	H	3	237	892
146	237	908	VH	4		815	M	2	237	905	2		1484	H	3	237	895

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
147	237	914	VH	4		816	M	2	238	908	2		1485	H	3	238	899
148	238	912	VH	4		817	M	2	238	913	2		1486	H	3	239	901
149	239	914	VH	4		818	M	2	239	914	2		1487	H	3	239	901
150	239	913	VH	4		819	M	2	240	913	2		1488	H	3	240	902
151	240	915	VH	4		820	M	2	240	910	2		1489	H	3	240	903
152	241	914	VH	4		821	M	2	241	910	2		1490	H	3	241	904
153	241	915	VH	4		822	M	2	242	911	2		1491	H	3	242	906
154	242	917	VH	4		823	M	2	242	912	2		1492	H	3	242	921 REVISED TO 910
155	243	917	VH	4		824	M	2	243	914	2		1493	H	3	243	904
156	243	922	VH	4		825	M	2	243	914	2		1494	H	3	244	904
157	244	920	VH	4		826	M	2	244	914	2		1495	H	3	244	903
158	245	922	VH	4		827	M	2	245	911	2		1496	H	3	245	906
159	245	918	VH	4		828	M	2	245	914	2		1497	H	3	246	909
160	246	919	VH	4		829	M (was L)	2 (was 1)	246	923	2		1498	H	3	246	897 REVISED TO 907
161	246	919	VH	4		830	M	2	247	918	2		1499	H	3	247	903
162	247	919	VH	4		831	M	2	247	920	2		1500	H	3	248	903
163	248	919	VH	4		832	M	2	248	924	2		1501	H	3	248	903

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
164	248	919	H	3		833	M (was low)	2 (was 1)	249	910	2		1502	H	3	249	928 REVISED TO 907
165	249	922	H	3		834	H	3	249	918	0		1503	H	3	250	909
166	250	922	H	3		835	H	3	250	917	0		1504	H	3	250	910
167	250	920	H	3		836	M	2	251	916	1		1505	H	3	251	906
168	251	923	H	3		837	M	2	251	916	1		1506	H	3	252	907
169	252	922	H	3		838	L	1	252	917	2		1507	H	3	252	907
170	252	925	H	3		839	N/A (was L)	N/A (was 1)	253	917	2		1508	H	3	253	907
171	253	925	H	3		840	L	1	253	913	2		1509	H	3	254	910
172	254	923	H	3		841	L	1	254	914	2		1510	H	3	254	908
173	254	920	H	3		842	M	2	255	914	1		1511	H	3	255	908
174	255	921	H	3		843	L	1	255	916	2		1512	H	3	255	908
175	256	921	H	3		844	L	1	256	917	2		1513	H	3	256	906
176	256	920	H	3		845	M	2	257	920	1		1514	H	3	257	907
177	257	921	H	3		846	M	2	257	925	1		1515	H	3	257	906
178	258	920	H	3		847	M	2	258	918	1		1516	H	3	258	909
179	258	920	H	3		848	M	2	258	918	1		1517	H	3	259	911
180	259	919	H	3		849	M	2	259	918	1		1518	H	3	259	909
181	260	918	H	3		850	L	1	260	918	2		1519	H	3	260	906
182	260	921	H	3		851	L	1	260	919	2		1520	H	3	261	905

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
183	261	921	H	3		852	M	2	261	916	1		1521	H	3	261	905
184	261	923	H	3		853	L	1	262	913	2		1522	H	3	262	905
185	263	923	H	3		854	L	1	262	910	2		1523	H	3	263	905
186	263	922	H	3		855	L	1	263	912	2		1524	H	3	263	904
187	264	921	H	3		856	M	2	264	912	1		1525	H	3	264	902
188	264	920	VH	4		857	M	2	264	911	2		1526	H	3	265	900
189	265	920	H	3		858	M	2	265	913	1		1527	H	3	265	900
190	265	917	H	3		859	M	2	266	915	1		1528	H	3	266	891
191	266	921	VH	4		860	M	2	266	916	2		1529	H	3	267	900
192	267	N/A	N/A	N/A		861	M	2	267	917	N/A		1530	H	3	267	899
193	267	N/A	N/A	N/A		862	M	2	268	917	N/A		1531	H	3	268	900
194	268	N/A	N/A	N/A		863	H	3	268	916	N/A		1532	H	3	268	900
195	269	N/A	N/A	N/A		864	H	3	269	914	N/A		1533	H	3	269	896
196	269	916	H	3		865	M	2	270	913	1		1534	H	3	270	898
197	270	915	H	3		866	M	2	270	911	1		1535	H	3	270	900
198	271	914	H	3		867	M	2	271	910	1		1536	H	3	271	901
199	271	917	H	3		868	M	2	272	908	1		1537	H	3	272	900
200	272	N/A	N/A	N/A		869	M	2	273	906	N/A		1538	H	3	272	898
201		N/A	N/A	N/A		870	M	2	273	909	N/A		1539	H	3	273	896
202		N/A	N/A	N/A		871	M	2	274	903	N/A		1540	H	3	274	896
203		N/A	N/A	N/A		872	M	2	275	902	N/A		1541	H	3	274	895

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
204		N/A	N/A	N/A		873	N/A	N/A	275	No Report	N/A		1542	H	3	275	895
205		N/A	N/A	N/A		874	N/A	N/A	276	No Report	N/A		1543	H	3	276	896
206		N/A	N/A	N/A		875	N/A	N/A	277	No Report	N/A		1544	H	3	276	894
207		N/A	N/A	N/A		876	N/A	N/A	277	No Report	N/A		1545	H	3	276	891
208		N/A	N/A	N/A		877	N/A	N/A	278	No Report	N/A		1546	H	3	277	889
209		N/A	N/A	N/A		878	N/A	N/A	278	No Report	N/A		1547	H	3	278	887
210		N/A	N/A	N/A		879	N/A	N/A	279	No Report	N/A		1548	M	2	279	887
211		N/A	N/A	N/A		880	N/A (was M)	2 (was 2)	279	872 (was 858)	N/A		1549	H	3	279	887
212		N/A	N/A	N/A		881	M	2	280	895	N/A		1550	H	3	280	888
213		N/A	N/A	N/A		882	M	2	280	901	N/A		1551	H	3	281	886
214		N/A	N/A	N/A		883	M	2	281	897	N/A		1552	H	3	281	886
215	281	N/A	N/A	N/A		884	M	2	282	897	N/A		1553	VH	4	282	884
216		N/A	N/A	N/A		885	M	2	282	895	N/A		1554	VH	4	283	894 revised to 882
217		N/A	N/A	N/A		886	M	2	283	894	N/A		1555	VH	4	283	883
218		N/A	N/A	N/A		887	M	2	284	897	N/A		1556	VH	4	284	883
219		N/A	N/A	N/A		888	H	3	284	896	N/A		1557	VH	4	284	883
220		N/A	N/A	N/A		889	H	3	285	895	N/A		1558	VH	4	285	880
221		N/A	N/A	N/A		890	H	3	286	892	N/A		1559	VH	4	286	879

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
222	286	N/A	N/A	N/A		891	H	3	286	892	N/A		1560	VH	4	286	877
223	287	895	VH	4		892	H	3	287	892	1		1561	VH	4	287	877
224	287	894	VH	4		893	H	3	287	890	1		1562	VH	4	288	877
225	288	894	VH	4		894	M	2	288	891	2		1563	VH	4	288	879
226	288	894	VH	4		895	H	3	289	889	1		1564	VH	4	289	872
227	289	892	VH	4		896	H	3	289	888	1		1565	VH	4	290	874
228	290	894	VH	4		897	H	3	290	884	1		1566	VH	4	290	876
229	290	894	VH	4		898	VH	4	291	883	0		1567	VH	4	291	870
230	291	888	VH	4		899	H	3	291	881	1		1568	VH	4	291	876
231	292	890	VH	4		900	H	3	292	883	1		1569	VH	4	292	873
232	292	888	VH	4		901	H	3	292	885	1		1570	VH	4	293	873
233	293	889	VH	4		902	H	3	293	883	1		1571	VH	4	293	873
234	293	890	VH	4		903	H	3	294	882	1		1572	H	3	294	869
235	294	886	VH	4		904	H	3	294	878	1		1573	H	3	295	872
236	295	886	VH	4		905	H	3	295	880	1		1574	VH	4	295	868
237	295	883	VH	4		906	H	3	296	878	1		1575	H	3	296	860 revised to 871
238	296	885	VH	4		907	H	3	296	879	1		1576	VH	4	296	869
239	297	885	VH	4		908	H	3	297	883	1		1577	H	3	297	866
240	297	884	VH	4		909	H	3	297	878	1		1578	VH	4	298	868
241	298	884	VH	4		910	H	3	298	878	1		1579	H	3	298	862
242	298	881	VH	4		911	H	3	299	874	1		1580	H	3	299	867

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
243	299	884	VH	4		912	H	3	299	875	1		1581	H	3	299	862
244	300	878	VH	4		913	H	3	300	871	1		1582	H	3	300	862
245	300	879	VH	4		914	H	3	300	874	1		1583	VH	4	301	862
246	301	878	VH	4		915	H	3	301	878	1		1584	VH	4	301	863
247	301	873	VH	4		916	H	3	302	872	1		1585	VH	4	302	864
248	302	877	H	3		917	H	3	302	871	1		1586	VH	4	303	858
249	303	873	H	3		918	H	3	303	867	1		1587	VH	4	303	860
250	303	877	VH	4		919	H	3	304	870	1		1588	VH	4	304	858
251	304	876	VH	4		920	H	3	304	868	1		1589	VH	4	304	857
252	304	874	VH	4		921	VH	4	305	867	0		1590	M changed from VH	2	305	864 changed to 860
253	305	877	VH	4		922	VH	4	305	870	0		1591	M	2	306	852
254	306	871	VH	4		923	VH	4	306	867	0		1592	M	2	306	857
255	306	877	VH	4		924	VH	4	307	867	0		1593	M	2	307	852
256	307	871	VH	4		925	H	3	307	862	1		1594	H	3	307	855
257	308	871	VH	4		926	H	3	308	864	1		1595	H	3	308	855
258	308	869	VH	4		927	VH	4	308	862	1		1596	VH	4	309	850
259	309	871	H	3		928	VH	4	309	862	1		1597	VH	4	309	855
260	309	875	H	3		929	VH	4	310	866	1		1598	VH	4	310	849
261	310	868	H	3		930	VH	4	310	865	1		1599	VH	4	310	853
262	311	N/A	N/A	N/A		931	VH	4	311	864	N/A		1600	VH	4	311	850

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
263	311	N/A	N/A	N/A		932	VH	4	311	859	N/A		1601	H	3	312	853
264	312	N/A	N/A	N/A		933	VH	4	312	863	N/A		1602	VH	4	312	852
265	312	N/A	N/A	N/A		934	VH	4	313	858	N/A		1603	VH	4	313	847
266	313	N/A	N/A	N/A		935	VH	4	313	862	N/A		1604	H	3	313	850
267	313	N/A	N/A	N/A		936	VH	4	314	865	N/A		1605	VH	4	314	815 changed to 846
268	314	864	H	3		937	VH	4	314	865	1		1606	H	3	315	850
269	315	866	H	3		938	N/A	N/A	N/A	N/A	N/A		1607	H	3	315	846
270	315	863	H	3		939	N/A (was L)	N/A (was 1)	316	827	N/A		1608	H	3	316	847
271	316	864	H	3		940	VH	4	316	861	1		1609	VH	4	316	847
272	316	864	H	3		941	H	3	317	857	0		1610	**L changed to N/A**	N/A	317	864 revised to N/A
273	317	861	H	3		942	H	3	317	857	0		1611	**L changed to N/A**	N/A	318	798 revised to N/A
274	318	861	H	3		943	H	3	318	854	0		1612	N/A	N/A	318	812 revised to N/A
275	318	860	H	3		944	H	3	318	852	0		1613	H	3	319	846
276	319	858	H	3		945	H	3	319	851	0		1614	H	3	319	837
277	319	857	H	3		946	H	3	320	850	0		1615	H	3	320	842

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
278	320	855	H	3		947	H	3	320	853	0		1616	H	3	320	848
279	321	856	H	3		948	H	3	321	854	0		1617	VH	4	321	840
280	321	856	H	3		949	H	3	321	851	0		1618	VH	4	322	845
281	322	855	H	3		950	H	3	322	850	0		1619	VH	4	322	841
282	322	856	H	3		951	H	3	323	849	0		1620	VH	4	323	844
283	323	854	H	3		952	H	3	323	847	0		1621	H	3	323	842
284	323	854	H	3		953	H	3	324	847	0		1622	H	3	324	841
285	324	852	H	3		954	H	3	324	847	0		1623	H	3	324	840
286	325	854	H	3		955	N/A	N/A	324	N/A	N/A		1624	H	3	325	836
287	325	856	H	3		956	N/A	N/A	325	N/A	N/A		1625	H	3	326	839
288	326	854	H	3		957	N/A (was H)	N/A (was 3)	326	N/A (changed from) 823	N/A		1626	H	3	326	839
289	326	854	H	3		958	H	3	327	848	0		1627	H	3	327	838
290	327	853	H	3		959	H	3	327	846	0		1628	H	3	327	839
291	327	853	H	3		960	H	3	328	846	0		1629	H	3	328	837
292	328	853	H	3		961	H	3	328	845	0		1630	H	3	328	838
293	329	850	H	3		962	H	3	329	849	0		1631	H	3	329	837
294	329	852	H	3		963	H	3	329	850	0		1632	H	3	330	836
295	330	853	H	3		964	H	3	330	847	0		1633	H	3	330	834
296	330	850	H	3		965	H	3	331	847	0		1634	H	3	331	834
297	331	849	H	3		966	H	3	331	850	0		1635	H	3	331	833

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
298	331	850	H	3		967	H	3	332	844	0		1636	H	3	332	834
299	332	849	H	3		968	H	3	332	848	0		1637	H	3	332	833
300	333	852	H	3		969	H	3	333	844	0		1638	H	3	333	833
301	334	852	H	3		970	H	3	333	849	0		1639	H	3	334	832
302	334	850	H	3		971	M	3	334	848	0		1640	H	3	334	828
303	334	849	H	3		972	H	3	334	847	0		1641	H	3	335	831
304	335	848	H	3		973	H	3	335	844	0		1642	H	3	335	829
305	335	847	H	3		974	H	3	336	842	0		1643	H	3	336	832
306	336	848	H	3		975	H	3	336	843	0		1644	H	3	336	832
307	336	851	H	3		976	M	2	337	842	1		1645	H	3	337	832
308	337	850	H	3		977	M	2	337	841	1		1646	H	3	338	831
309	338	848	H	3		978	M	2	338	842	1		1647	H	3	338	831
310	338	849	H	3		979	M	2	338	841	1		1648	H	3	339	830
311	339	846	H	3		980	M	2	339	840	1		1649	H	3	339	831
312	340	845	H	3		981	M	2	339	841	1		1650	H	3	339	833
313	340	849	H	3		982	M	2	340	840	1		1651	H	3	340	833
314	340	848	H	3		983	M	2	340	840	1		1652	H	3	341	834
315	341	850	H	3		984	M	2	341	840	1		1653	H	3	341	833
316	341	851	H	3		985	M	2	342	840	1		1654	H	3	342	829
317	342	849	H	3		986	M	2	342	840	1		1655	H	3	342	831
318	342	848	H	3		987	M	2	343	839	1		1656	H	3	343	832

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
319	343	847	H	3		988	M	2	343	840	1		1657	H	3	343	836
320	344	846	H	3		989	M	2	344	841	1		1658	H	3	344	835
321	344	847	H	3		990	H	3	344	839	0		1659	H	3	345	832
322	345	849	H	3		991	H	3	345	840	0		1660	H	3	345	832
323	345	847	H	3		992	H	3	345	842	0		1661	H	3	346	831
324	346	850	H	3		993	H	3	346	840	0		1622	H	3	346	831
325	346	847	H	3		994	H	3	346	842	0		1663	H	3	347	832
326	347	848	H	3		995	H	3	347	842	0		1664	H	3	347	832
327	347	848	VH	4		996	H	3	348	842	1		1665	H	3	348	833
328	348	847	H	3		997	H	3	348	842	0		1666	H	3	348	834
329	348	847	H	3		998	H	3	349	842	0		1667	H	3	349	833
330	349	848	H	3		999	N/A	N/A	349	N/A	N/A		1668	H	3	349	831
331	349	848	H	3		1000	H	3	350	841	0		1669	H	3	350	833
332	350	849	H	3		1001	H	3	350	853	0		1670	H	3	350	834
333	350	849	H	3		1002	H	3	351	844	0		1671	H	3	351	832
334	351	852	H	3		1003	H	3	351	843	0		1672	H	3	351	833
335	352	852	H	3		1004	H	3	352	842	0		1673	H	3	352	836
336	352	852	H	3		1005	H	3	352	843	0		1674	H	3	352	835
337	353	853	H	3		1006	L changed to H	1 revised to 3	353	870 revised to 844	2 revised to 0		1675	H	3	353	835

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
338	353	848	H	3		1007	L changed to H	1 revised to 3	353	832 revised to 845	2 revised to 0		1676	H	3	354	837
339	354	849	H	3		1008	L changed to H	1 revised to 3	354	867 revisd to 844	2 revised to 0		1677	H	3	354	835
340	354	851	H	3		1009	H	3	354	845	0		1678	H	3	355	836
341	354	852	H	3		1010	H	3	355	846	0		1679	H	3	355	836
342	355	851	H	3		1011	H	3	356	845	0		1680	H	3	356	835
343	356	850	H	3		1012	H	3	356	846	0		1681	H	3	356	837
344	356	851	H	3		1013	H	3	356	846	0		1682	H	3	357	839
345	357	853	H	3		1014	H	3	356	846	0		1683	H	3	357	837
346	357	853	H	3		1015	H	3	357	847	0		1684	H	3	358	837
347	358	851	H	3		1016	H	3	358	847	0		1685	H	3	358	838
348	358	850	H	3		1017	H	3	359	850	0		1686	H	3	359	838
349	359	852	H	3		1018	H	3	359	850	0		1687	H	3	359	838
350	359	853	H	3		1019	M	2	0	819 altered to 853	1		1688	H	3	0	840
351	0 Fall	853	H	3		1020	H	3	0 (Fall)	832	0		1689	H	3	0	840
352	0 Fall	854	H	3		1021	L changed to H	3 changed to 1	1	848 changed to 850	2		1690	H	3	1	840
353	1	855	H	3		1022	H	3	1	852	0		1691	N/A	N/A	1	N/A

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
354	1	857	H	3		1023	H	3	2	827	0		1692	H	3	2	820
355	2	857	H	3		1024	H	3	2	851	0		1693	H	3	2	840
356	2	856	H	3		1025	H	3	3	851	0		1694	H	3	3	840
357	3	857	H	3		1026	L	1	3	868	N/A (was2)		1695	H	3	3	840
358	3	N/A	N/A	N/A		1027	N/A	N/A	N/A	N/A	N/A		1696	H	3	4	841
359	4	N/A	N/A	N/A		1028	H	3	4	853	N/A		1697	H	3	4	841
360	4	N/A	N/A	N/A		1029	H	3	5	856	N/A		1698	H	3	5	842
361	5	N/A	N/A	N/A		1030	H	3	5	855	N/A		1699	H	3	5	843
362	5	N/A	N/A	N/A		1031	H	3	6	858	N/A		1700	H	3	6	842
363	6	N/A	N/A	N/A		1032	H	3	6	854	N/A		1701	H	3	6	841
364	6	N/A	N/A	N/A		1033	H	3	7	856	N/A		1702	H	3	7	842
365	7	N/A	N/A	N/A		1034	H	3	7	859	0		1703	H	3	7	830
366	7	861	H	3		1035	H	3	8	857	0		1704	H	3	8	844
367	8	862	H	3		1036	H	3	8	860	0		1705	H	3	8	850
368	8	863	H	3		1037	H	3	9	856	0		1706	H	3	9	845
369	9	865	H	3		1038	H	3	9	858	0		1707	H	3	9	860
370	9	Initial pressure 1149, then dropped to 865 after	H	3		1039	H	3	10	857	0		1708	H	3	10	846

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
		we made an issue of it.															
371	10	865	H	3		1040	H	3	10	858	0		1709	H	3	10	847
372	10	866	H	3		1041	H	3	11	859	0		1710	H	3	11	848
373	11	866	H	3		1042	M	2	11	859	1		1711	H	3	11	848
374	11	866	H	3		1043	M	2	12	860	1		1712	H	3	12	849
375	12	867	H	3		1044	M	2	12	860	1		1713	H	3	12	850
376	12	870	H	3		1045	H	3	13	861	0		1714	H	3	13	849
377	13	870	H	3		1046	H	3	13	862	0		1715	H	3	13	851
378	13	869	H	3		1047	H	3	14	863	0		1716	H	3	14	850
379	14	870	H	3		1048	H	3	14	864	0		1717	H	3	14	851
380	14	870	H	3		1049	H	3	15	864	0		1718	H	3	15	852
381	15	871	H	3		1050	H	3	15	863	0		1719	H	3	15	853
382	15	872	H	3		1051	H	3	16	864	0		1720	H	3	16	853
383	16	874	M	2		1052	H	3	16	865	1		1721	H	3	16	852
384	16	875	H	3		1053	H	3	17	865	0		1722	H	3	17	854
385	17	874	H	3		1054	H	3	17	867	0		1723	H	3	17	854
386	17	873	H	3		1055	H	3	17	868	0		1724	H	3	18	856
387	18	874	H	3		1056	H	3	18	868	0		1725	H	3	18	857
388	18	875	H	3		1057	H	3	18	867	0		1726	H	3	19	855
389	19	875	H	3		1058	H	3	19	868	0		1727	H	3	19	855
390	19	875	H	3		1059	H	3	19	870	0		1728	H	3	20	855

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
391	20	875	H	3		1060	H	3	20	870	0		1729	H	3	20	858
392	20	876	H	3		1061	H	3	20	871	0		1730	H	3	21	858
393	21	877	H	3		1062	H	3	21	871	0		1731	H	3	21	857
394	21	878	H	3		1063	H	3	21	871	0		1732	H	3	22	858
395	22	878	H	3		1064	H	3	22	871	0		1733	H	3	22	859
396	22	879	H	3		1065	H	3	22	873	0		1734	H	3	23	859
397	23	880	H	3		1066	H	3	23	875	0		1735	H	3	23	861
398	23	880	H	3		1067	M	2	23	875	1		1736	H	3	23	860
399	24	881	H	3		1068	H	3	24	874	0		1737	H	3	24	861
400	24	881	H	3		1069	H	3	24	876	0		1738	H	3	24	861
401	25	882	H	3		1070	H	3	25	877	0		1739	H	3	25	861
402	25	883	H	3		1071	H	3	25	878	0		1740	H	3	25	861
403	25	883	H	3		1072	H	3	26	879	0		1741	H	3	26	863
404	26	884	M	2		1073	M	2	26	879	0		1742	H	3	26	865
405	26	885	M	2		1074	H	3	27	878	1		1743	H	3	27	863
406	27	886	H	3		1075	M	2	27	879	1		1744	H	3	27	863
407	27	887	M	2		1076	M	2	28	880	0		1745	H	3	28	865
408	28	887	M	2		1077	M	2	28	880	0		1746	H	3	28	866
409	28	887	M	2		1078	M	2	29	881	0		1747	H	3	29	866
410	29	888	H	3		1079	M	2	29	882	1		1748	H	3	29	867
411	29	887	M	2		1080	M	2	29	882	0		1749	M	2	30	867

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
412	30	888	M	2		1081	M	2	30	882	0		1750	M	2	30	867
413	30	888	H	3		1082	M	2	30	882	1		1751	H	3	31	867
414	31	889	H	3		1083	M	2	31	883	1		1752	H	3	31	867
415	31	890	H	3		1084	H	3	31	885	0		1753	H	3	32	868
416	32	889	H	3		1085	M	2	32	886	1		1754	H	3	32	870
417	32	890	H	3		1086	H	3	32	885	0		1755	H	3	32	870
418	33	891	H	3		1087	H	3	33	885	0		1756	H	3	33	871
419	33	891	H	3		1088	H	3	33	885	0		1757	H	3	33	871
420	33	892	H	3		1089	H	3	34	885	0		1758	H	3	34	871
421	34	891	H	3		1090	H	3	34	886	0		1759	H	3	34	871
422	34	891	M	2		1091	H	3	35	886	1		1760	H	3	35	872
423	35	892	M	2		1092	H	3	35	886	1		1761	H	3	35	872
424	35	893	M	2		1093	H	3	36	887	1		1762	H	3	36	872
425	36	893	M	2		1094	H	3	36	888	1		1763	H	3	36	873
426	36	893	M	2		1095	M	2	36	888	0		1764	H	3	37	872
427	37	893	M	2		1096	M	2	37	888	0		1765	H	3	37	873
428	37	894	M	2		1097	M	2	37	889	0		1766	H	3	38	873
429	38	895	M	2		1098	M	2	38	890	0		1767	H	3	38	874
430	38	896	M	2		1099	M	2	38	891	0		1768	H	3	39	875
431	39	895	M	2		1100	M	2	39	890	0		1769	H	3	39	875
432	39	896	M	2		1101	M	2	39	891	0		1770	H	3	39	875

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
433	40	895	M	2		1102	M	2	40	892	0		1771	H	3	40	876
434	40	896	M	2		1103	M	2	40	893	0		1772	H	3	40	876
435	40	897	M	2		1104	M	2	41	893	0		1773	H	3	41	876
436	41	897	M	2		1105	M	2	41	892	0		1774	H	3	41	877
437	41	898	M	2		1106	M	2	42	893	0		1775	H	3	42	877
438	42	899	M	2		1107	M	2	42	893	0		1776	H	3	42	878
439	42	899	M	2		1108	M	2	42	895	0		1777	H	3	43	877
440	43	899	M	2		1109	M	2	43	895	0		1778	H	3	43	877
441	43	900	M	2		1110	M	2	43	895	0		1779	H	3	44	878
442	44	900	M	2		1111	H	3	44	896	1		1780	H	3	44	879
443	44	901	M	2		1112	H	3	44	895	1		1781	H	3	45	879
444	45	N/A	N/A	N/A		1113	M	2	45	895	N/A		1782	H	3	45	878
445	45	N/A	N/A	N/A		1114	M	2	45	896	N/A		1783	H	3	45	879
446	46	N/A	N/A	N/A		1115	M	2	46	897	N/A		1784	H	3	46	**1294 REVISED TO 883**
447	46	N/A	N/A	N/A		1116	M	2	46	898	N/A		1785	H	3	46	881
448	47	N/A	N/A	N/A		1117	M	2	47	898	N/A		1786	N/A	N/A	47	N/A
449	47	N/A	N/A	N/A		1118	M	2	47	898	N/A		1787	H	3	47	881
450	48	N/A	N/A	N/A		1119	L changed to M after we	1 changed to 2.	48	908 altered to 898 after we	N/A		1788	H	3	48	881

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
							highlighted it.			highlighted it.							
451	48	N/A	N/A	N/A		1120	M	2	48	900	N/A		1789	H	3	48	881
452	49	N/A	N/A	N/A		1121	M	2	48	901	N/A		1790	H	3	49	882
453	49	N/A	N/A	N/A		1122	M	2	49	901	N/A		1791	H	3	49	882
454	50	N/A	N/A	N/A		1123	M	2	49	900	N/A		1792	H	3	50	883
455	50	905	M	2		1124	H	3	50	900	1		1793	H	3	50	883
456	50	905	H	3		1125	H	3	50	900	0		1794	H	3	50	883
457	51	N/A	N/A	N/A		1126	M	2	51	901	N/A		1795	H	3	51	882
458	51	N/A	N/A	N/A		1127	M	2	51	910 altered to 901	N/A		1796	H	3	51	883
459	52	N/A	N/A	N/A		1128	M	2	52	902	N/A		1797	H	3	52	884
460	52	N/A	N/A	N/A		1129	M	2	52	902	N/A		1798	H	3	52	883
461	53	N/A	N/A	N/A		1130	M	2	53	902	N/A		1799	H	3	53	883
462	53	N/A	N/A	N/A		1131	M	2	53	902	N/A		1800	H	3	53	881
463	53	906	H	3		1132	M	2	53	902	1		1801	H	3	54	882
464	54	906	M	2		1133	M	2	54	902	0		1802	H	3	54	882
465	54	906	H	3		1134	M	2	54	902	1		1803	M	2	55	882
466	55	907	M	2		1135	M	2	55	901	0		1804	H	3	55	883
467	55	907	M	2		1136	M	2	55	901	0		1805	H	3	55	883
468	55	907	M	2		1137	M	2	56	901	0		1806	M	2	56	884
469	56	908	M	2		1138	M	2	56	901	0		1807	M	2	56	884

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
470	56	907	M	2		1139	M	2	57	901	0		1808	H	3	57	884
471	57	906	M	2		1140	M	2	57	901	0		1809	H	3	57	889
472	57	907	M	2		1141	M	2	57	902	0		1810	H	3	58	883
473	58	907	M	2		1142	M	2	58	902	0		1811	H	3	58	882
474	58	906	M	2		1143	M	2	58	901	0		1812	H	3	59	882
475	59	906	M	2		1144	M	2	59	902	0		1813	H	3	59	881
476	59	906	M	2		1145	M	2	59	907 revised to 903	0		1814	H	3	59	881
477	60	907	M	2		1146	M	2	60	902	0		1815	H	3	60	881
478	60	N/A	N/A	N/A		1147	M	2	60	901	N/A		1816	M	2	60	882
479	61	N/A	N/A	N/A		1148	M	2	61	901	N/A		1817	M	2	61	882
480	61	N/A	N/A	N/A		1149	M	2	61	902	N/A		1818	M	2	61	882
481	62	N/A	N/A	N/A		1150	M	2	62	902	N/A		1819	H	3	62	880
482	62	N/A	N/A	N/A		1151	M	2	62	901	N/A		1820	M	2	62	881
483	63	N/A	N/A	N/A		1152	M	2	62	901	N/A		1821	M	2	63	882
484	63	N/A	N/A	N/A		1153	M	2	63	900	N/A		1822	M	2	63	881
485	63	N/A	N/A	N/A		1154	M	2	63	900	N/A		1823	H	3	64	879
486	64	904	M	2		1155	M	2	64	900	0		1824	H	3	64	879
487	64	904	M	2		1156	M	2	64	900	0		1825	M	2	64	878
488	64	903	M	2		1157	M	2	65	900	0		1826	H	3	65	878
489	65	904	M	2		1158	M	2	65	898	0		1827	H	3	65	879
490	65	904	M	2		1159	M	2	66	898	0		1828	H	3	66	878

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
491	66	903	M	2		1160	M	2	66	1177, later dropped to 899 after we made an issue out of it.	0		1829	H	3	66	877
492	66	903	M	2		1161	M	2	66	1200 changed to 898.	0		1830	H	3	67	877
493	67	902	M	2		1162	M	2	67	897	0		1831	H	3	67	876
494	67	902	M	2		1163	M	2	67	896	0		1832	H	3	68	875
495	68	900	M	2		1164	M	2	68	896	0		1833	H	3	68	875
496	68	901	M	2		1165	M	2	68	897	0		1834	H	3	68	875
497	69	901	M	2		1166	M	2	69	895	0		1835	H	3	69	873
498	69	901	M	2		1167	M	2	69	894	0		1836	H	3	69	873
499	69	899	M	2		1168	M	2	70	894	0		1837	H	3	70	872
500	70	897	M	2		1169	H	3	70	894	1		1838	H	3	70	872
501	70	898	M	2		1170	H	3	71	893	1		1839	H	3	71	872
502	71	898	M	2		1171	H	3	71	892	1		1840	H	3	71	871
503	71	N/A	M	2		1172	H	3	71	892	1		1841	H	3	72	870
504	72	895	M	2		1173	M	2	72	892	0		1842	H	3	72	869
505	72	895	M	2		1174	M	2	72	891	0		1843	H	3	72	869
506	73	894	M	2		1175	M	2	73	890	0		1844	H	3	73	869

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
507	73	894	M	2		1176	M	2	73	890	0		1845	H	3	73	866
508	73	893	M	2		1177	M	2	74	888	0		1846	H	3	73	868
509	74	895	M	2		1178	M	2	74	888	0		1847	H	3	74	866
510	74	892	M	2		1179	M	2	75	887	0		1848	H	3	75	865
511	75	892	M	2		1180	M	2	75	886	0		1849	H	3	75	864
512	75	890	M	2		1181	M	2	75	885	0		1850	H	3	76	864
513	76	889	M	2		1182	M	2	76	884	0		1851	H	3	76	864
514	76	888	M	2		1183	M	2	76	883	0		1852	H	3	77	863
515	77	888	M	2		1184	M	2	77	882	0		1853	M	2	77	862
516	77	888	M	2		1185	H	3	77	881	1		1854	M	2	77	861
517	77	885	M	2		1186	H	3	78	881	1		1855	M	2	78	861
518	78	885	M	2		1187	M	2	78	881	0		1856	H	3	78	859
519	78	884	M	2		1188	M	2	79	881	0		1857	H	3	79	858
520	79	884	M	2		1189	M	2	79	879	0		1858	H	3	79	857
521	79	882	M	2		1190	H	3	79	877	1		1859	H	3	80	857
522	80	881	M	2		1191	H	3	80	876	1		1860	H	3	80	857
523	80	881	M	2		1192	H	3	80	875	1		1861	H	3	81	855
524	81	880	M	2		1193	M	2	81	875	0		1862	H	3	81	854
525	81	878	M	2		1194	M	2	81	873	0		1863	M	2	81	853
526	82	878	M	2		1195	M	2	82	871	0		1864	H	3	82	852
527	82	877	H	3		1196	M	2	82	871	1		1865	H	3	82	852

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
528	82	876	M	2		1197	M	2	83	869	0		1866	H	3	83	850
529	83	875	M	2		1198	M (was L)	2 (was 1)	83	868	0 (was 1)		1867	H	3	84	848
530	83	873	M	2		1199	M (was L)	2 (was 1)	84	868	0 (was 1)		1868	H	3	84	848
531	84	872	M	2		1200	M (was L)	2 (was 1)	84	866	0 (was 1)		1869	H	3	84	846
532	84	872	M	2		1201	M	2	84	866	0		1870	H	3	85	845
533	85	871	M	2		1202	M	2	85	864	0		1871	H	3	85	844
534	85	869	M	2		1203	M	2	85	863	0		1872	H	3	86	843
535	86	868	M	2		1204	M	2	86	862	0		1873	H	3	86	842
536	86	867	M	2		1205	M	2	86	861	0		1874	H	3	86	840
537	86	865	M	2		1206	M	2	87	859	0		1875	H	3	87	839
538	87	865	M	2		1207	M	2	87	858	0		1876	H	3	87	838
539	87	864	M	2		1208	M	2	88	857	0		1877	H	3	88	837
540	88	862	M	2		1209	M	2	88	855	0		1878	M	2	88	835
541	88	861	M	2		1210	M	2	88	854	0		1879	M	2	89	842
542	89	867	M	2		1211	M	2	89	853	0		1880	M	2	89	831
543	89	858	M	2		1212	M	2	89	851	0		1881	M	2	90	832
544	90 WINTER	857	M	2		1213	M	2	90	851	0		1882	M	2	90	831
545	90	856	M	2		1214	M	2	90	850	0		1883	M	2	91	830
546	91	855	M	2		1215	H	3	91	848	1		1884	M	2	91	829
547	91	853	H	3		1216	M	2	91	847	1		1885	M	2	91	827
548	91	852	H	3		1217	M	2	92	846	1		1886	M	2	92	826

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
549	92	851	M	2		1218	M	2	92	845	0		1887	M	2	92	824
550	92	850	M	2		1219	M	2	93	844	0		1888	H	3	93	823
551	93	848	H	3		1220	M	2	93	842	1		1889	H	3	93	822
552	93	847	M	2		1221	M	2	93	847	0		1890	H	3	94	821
553	94	845	M	2		1222	M	2	94	840	0		1891	H	3	94	819
554	94	843	M	2		1223	M	2	94	839	0		1892	M	2	95	817
555	95	843	M	2		1224	M	2	95	837	0		1893	M	2	95	816
556	95	842	M	2		1225	M	2	95	836	0		1894	H	3	96	815
557	96	840	M	2		1226	M	2	96	835	0		1895	H	3	96	814
558	96	839	M	2		1227	M	2	96	833	0		1896	H	3	96	812
559	96	838	H	3		1228	M	2	97	832	1		1897	H	3	97	811
560	97	836	M	2		1229	M	2	97	832	0		1898	H	3	97	810
561	97	835	M	2		1230	M	2	98	830	0		1899	H	3	98	808
562	98	834	M	2		1231	M	2	98	828	0		1900	H	3	98	807
563	98	833	M	2		1232	M	2	99	827	0		1901	H	3	99	806
564	99	831	M	2		1233	M	2	99	826	0		1902	M	2	99	804
565	99	830	H	3		1234	M	2	99	824	1		1903	M	2	100	803
566	100	829	H	3		1235	M	2	100	824	1		1904	M	2	100	801
567	100	827	H	3		1236	M	2	100	822	1		1905	H	3	101	800
568	101	825	H	3		1237	M	2	101	820	1		1906	M	2	101	799
569	101	825	M	2		1238	M	2	101	819	0		1907	H	3	101	798

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
570	102	823	M	2		1239	M	2	102	818	0		1908	H	3	102	796
571	102	821	M	2		1240	M	2	102	816	0		1909	H	3	102	793
572	102	820	M	2		1241	M	2	103	816	0		1910	H	3	103	794
573	102	819	M	2		1242	M	2	103	815	0		1911	M	2	103	792
574	103	817	H	3		1243	M	2	104	814	1		1912	H	3	104	791
575	104	816	M	2		1244	M	2	104	812	0		1913	H	3	104	791
576	104	815	M	2		1245	M	2	105	811	0		1914	H	3	105	790
577	105	813	M	2		1246	M	2	105	810	0		1915	H	3	105	788
578	105	812	M	2		1247	M	2	105	809	0		1916	H	3	106	787
579	106	811	M	2		1248	M	2	106	807	0		1917	H	3	106	786
580	106	810	M	2		1249	M	2	106	806	0		1918	H	3	107	784
581	107	808	M	2		1250	M	2	107	804	0		1919	H	3	107	783
582	107	807	M	2		1251	M	2	107	803	0		1920	H	3	108	782
583	108	806	M	2		1252	M	2	108	802	0		1921	H	3	108	781
584	108	804	M	2		1253	M	2	108	800	0		1922	H	3	108	780
585	109	802	M	2		1254	M	2	109	799	0		1923	H	3	109	778
586	109	802	M	2		1255	M	2	109	798	0		1924	H	3	109	777
587	109	801	M	2		1256	M	2	110	795	0		1925	H	3	110	777
588	110	799	M	2		1257	M	2	110	794	0		1926	H	3	110	775
589	110	798	M	2		1258	M	2	111	794	0		1927	H	3	111	774
590	111	797	M	2		1259	M	2	111	794	0		1928	H	3	111	773

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
591	111	795	M	2		1260	M	2	112	792	0		1929	H	3	112	771
592	112	795	M	2		1261	M	2	112	793	0		1930	H	3	112	770
593	112	795	M	2		1262	M	2	112	790	0		1931	H	3	113	770
594	113	793	M	2		1263	M	2	113	788	0		1932	H	3	113	768
595	113	792	M	2		1264	M	2	113	787	0		1933	H	3	114	767
596	114	791	M	2		1265	M	2	114	787	0		1934	H	3	114	766
597	114	790	H	3		1266	M	2	114	787	1		1935	H	3	115	765
598	115	787	M	2		1267	M	2	115	786	0		1936	H	3	115	764
599	115	788	M	2		1268	M	2	115	784	0		1937	H	3	116	763
600	116	787	M	2		1269	M	2	116	782	0		1938	H	3	116	762
601	116	785	M	2		1270	M	2	116	782	0		1939	H	3	116	760
602	117	784	M	2		1271	M	2	117	781	0		1940	H	3	117	759
603	117	783	H	3		1272	M	2	117	780	1		1941	H	3	117	758
604	118	782	M	2		1273	M	2	118	778	0		1942	H	3	118	757
605	118	781	M	2		1274	M	2	118	777	0		1943	H	3	118	756
606	118	780	M	2		1275	M	2	119	775	0		1944	H	3	119	755
607	119	779	M	2		1276	L changed to M	2	119	774	0		1945	M	2	119	751
608	119	777	M (was L)	2 (was 1)		1277	H	3	120	774	1		1946	H	3	120	753
609	120	777	M	2		1278	M	2	120	778	0		1947	M	2	120	751

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
610	120	776	M	2		1279	H	3	121	772	1		1948	M	2	121	752
611	121	775	M	2		1280	H	3	121	771	1		1949	M	2	121	751
612	121	774	M	2		1281	H	3	122	769	1		1950	H	3	122	750
613	122	773	M	2		1282	M	2	122	768	0		1951	H	3	122	749
614	122	772	M	2		1283	H	3	123	768	1		1952	H	3	123	748
615	123	771	M	2		1284	M	2	123	767	0		1953	H	3	123	747
616	123	769	M	2		1285	M	2	123	766	0		1954	H	3	124	745
617	124	769	M	2		1286	M	2	124	765	0		1955	H	3	124	745
618	124	769	M	2		1287	M	2	124	764	0		1956	H	3	125	744
619	125	766	L	1		1288	M	2	125	763	N/A (was 1)		1957	H	3	125	741
620	125	765	M	2		1289	N/A	N/A	125	N/A	N/A		1958	H	3	126	741
621	126	765	M	2		1290	N/A	N/A	126	N/A	N/A		1959	H	3	126	740
622	126	763	M	2		1291	H	3	126	760	1		1960	H	3	127	740
623	127	763	M	2		1292	H	3	127	760	1		1961	H	3	127	742
624	127	762	M	2		1293	M	2	127	758	0		1962	H	3	128	738
625	128	761	M	2		1294	M	2	128	758	0		1963	H	3	128	737
626	128	760	M	2		1295	M	2	128	758	0		1964	H	3	129	736
627	129	759	M	2		1296	M	2	129	756	0		1965	H	3	129	735
628	129	759	M	2		1297	M	2	129	755	0		1966	H	3	130	735
629	130	759	M	2		1298	M	2	130	755	0		1967	H	3	130	734
630	130	757	H	3		1299	M	2	130	753	1		1968	H	3	131	732

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
631	131	756	H	3		1300	M	2	131	945 changed to 752	1		1969	H	3	131	732
632	131	755	H	3		1301	M	2	131	1154 changed to 752	1		1970	H	3	132	732
633	132	754	H	3		1302	M	2	132	751	1		1971	H	3	132	731
634	132	753	H	3		1303	H	3	132	751	0		1972	H	3	133	730
635	133	754	H	3		1304	M	2	133	750	1		1973	H	3	133	730
636	133	752	H	3		1305	H	3	133	749	0		1974	H	3	134	729
637	134	752	M	2		1306	H	3	134	748	0		1975	H	3	134	729
638	134	751	M	2		1307	H	3	134	748	1		1976	H	3	135	728
639	135	750	M	2		1308	H	3	135	748	1		1977	H	3	135	727
640	135	750	M	2		1309	H	3	135	747	1		1978	H	3	136	727
641	136	749	H	3		1310	M	2	136	745	1		1979	H	3	136	726
642	136	749	H	3		1311	H	3	136	745	0		1980	H	3	137	725
643	137	748	H	3		1312	H	3	137	745	0		1981	H	3	137	725
644	137	748	H	3		1313	H	3	137	745	0		1982	H	3	138	724
645	138	746	H	3		1314	H	3	138	744	0		1983	H	3	138	723
646	138	746	H	3		1315	H	3	138	744	0		1984	H	3	139	723
647	139	746	H	3		1316	H	3	139	744	0		1985	H	3	139	723
648	139	746	H	3		1317	H	3	139	743	0		1986	VH	4	140	723

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
649	140	745	H	3		1318	H	3	140	743	0		1987	VH	4	140	723
650	140	743	H	3		1319	H	3	140	742	0		1988	H	3	141	722
651	141	743	H	3		1320	H	3	141	741	0		1989	H	3	141	721
652	141	745	H	3		1321	H	3	141	740	0		1990	VH	4	142	720
653	142	744	H	3		1322	H	3	142	740	0		1991	VH	4	142	721
654	142	742	H	3		1323	H	3	142	738	0		1992	H	3	143	720
655	143	741	H	3		1324	H	3	143	738	0		1993	H	3	143	727
656	143	740	M	2		1325	H	3	144	738	1		1994	VH	4	144	718
657	144	739	H	3		1326	H	3	144	738	0		1995	VH	4	144	718
658	144	739	M	2		1327	H	3	145	736	1		1996	VH	4	145	719
659	145	738	M	2		1328	H	3	145	735	1		1997	H	3	145	717
660	145	735	M	2		1329	H	3	146	735	1		1998	H	3	146	716
661	146	735	H	3		1330	H	3	146	734	0		1999	H	3	146	717
662	146	735	H	3		1331	H	3	147	734	0		2000	VH	4	147	717
663	147	734	H	3		1332	H	3	147	734	0		2001	VH	4	147	913 revised to 716
664	147	732	H	3		1333	H	3	148	733	0		2002	VH	4	148	1167 revised to 715
665	148	735	H	3		1334	H	3	148	732	0		2003	H	3	148	716
666	148	736	H	3		1335	H	3	149	732	0		2004	H	3	149	716
667	149	736	H	3		1336	H	3	149	732	0		2005	H	3	149	716

SOL YR 1	LS	PRESSURE	UV	UV#		SOL YR 2	UV	UV#	LS	PRESSURE	YR 1 TO 2 ΔUV		SOL YR 3	UV YR 3	UV #	LS	PRESSURE
668	150	734	H	3		1337	H	3	150	734	0		2006	H	3	150	715
669	150	735	H	3		1338	H	3	150	734	0		2007	H	3	151	716