

Satellite	FO-29	Date	7/8/2019				Time	10:39:00				K9CIS, Decatur IL USA Data processing by K9WXC			
RAW DATA	Solar Array Current	Battery Current	Battery Voltage	Battery Mid-voltage	Bus Voltage	JTA TX Power	STR Temp 1	STR Temp 2	STR Temp 3	STR Temp 4	Batt. Cell Temp	Frame Time	Time Elapsed	Notes	
1	6F	49	92	8D	9A	92	A5	A7	AA		A4	11:40:10	1:01:10	Eclipse: 17' 13"	
2	6F	4A	93	8E	9F	71	A5	A7	AA	A7	A4	11:41:01	0:00:51		
3	68	4F	94	8E	9C	78	A6	A8	AA	A7	A4	11:41:47	0:00:46		
4	66	4D	95	90	9D	6F	A7	A8	AA	A7	A4	11:42:36	0:00:49		
5	61	4F	96	91	9F	70	A7	A8	AA	A7	A4	11:44:06	0:01:30		
6	7F	71	96	91	9F	87	A7	A8	AB	A7	A4	11:44:56	0:00:50		
7	7E	71	95	90	B1	81	A7	A8	AA	A7	A4	11:45:42	0:00:46		
8	7F	60	94	8F	B1	7A	A7	A8	AA	A7	A4	11:46:28	0:00:46		
9	7C	60	94	8F	9D	71	A7	A8	AA	A7	A4	11:47:16	0:00:48		
10	7C	7F	95	90	9E	6D	A8	A8	AA	A8	A4	11:48:48	0:01:32		
11	7D	60	94	8F	B0	6E	A8	A8	AA	A8	A4	11:49:34	0:00:46		
12	7D	60	94	8F	B0	7E	A8	A9	AA	A8	A4	11:50:20	0:00:46		
13	7D	60	95	90	B1	83	A8	A9	AA	A8	A4	11:51:07	0:00:47		
14	7D	60	94	8F	B0	7D	A8	A8	AA	A8	A4	11:51:54	0:00:47		
15	7D	7F	94	8F	B1	70	A8	A8	AA	A8	A4	11:52:40	0:00:46		
16	7D	7F	94	8F	B0	7A	A8	A8	AA	A8	A5	11:53:26	0:00:46		
17	7D	60	94	8F	B0	71	A9	A8	AA	A9	A5	11:54:12	0:00:46		
18	7E	7F	94	8F	B0	73	A9	A8	AA	A9	A5	11:54:59	0:00:47		
19	61	60	94	90	B1							11:55:43	0:00:44		
20															
21															
22															
23															
24															
25															
26															

CALC. DATA	Solar Array Current (mA)	Battery Current (mA)	Battery Voltage (V)	Battery Mid-voltage (V)	Bus Voltage (V)	JTA TX Power (mW)	STR Temp 1 (°C)	STR Temp 2 (°C)	STR Temp 3 (°C)	STR Temp 4 (°C)	Batt. Cell Temp (°C)	Batt. Cell Temp (°F)	Frame Time	Time Elapsed
1	1088.24	-569.20	15.71	6.79	15.10	850.87	17.75	16.97	15.81		18.14	64.7	11:40:10	1:01:10
2	1088.24	-549.60	15.82	6.84	15.59	636.38	17.75	16.97	15.81	16.97	18.14	64.7	11:41:01	0:00:51
3	1019.62	-451.60	15.93	6.84	15.29	681.88	17.36	16.59	15.81	16.97	18.14	64.7	11:41:47	0:00:46
4	1000.01	-490.80	16.03	6.94	15.39	623.38	16.97	16.59	15.81	16.97	18.14	64.7	11:42:36	0:00:49
5	950.99	-451.60	16.14	6.98	15.59	629.88	16.97	16.59	15.81	16.97	18.14	64.7	11:44:06	0:01:30
6	1245.11	214.80	16.14	6.98	15.59	779.37	16.97	16.59	15.42	16.97	18.14	64.7	11:44:56	0:00:50
7	1235.30	214.80	16.03	6.94	17.35	740.38	16.97	16.59	15.81	16.97	18.14	64.7	11:45:42	0:00:46
8	1245.11	-118.40	15.93	6.89	17.35	694.88	16.97	16.59	15.81	16.97	18.14	64.7	11:46:28	0:00:46
9	1215.70	-118.40	15.93	6.89	15.39	636.38	16.97	16.59	15.81	16.97	18.14	64.7	11:47:16	0:00:48
10	1215.70	489.20	16.03	6.94	15.49	610.38	16.59	16.59	15.81	16.59	18.14	64.7	11:48:48	0:01:32
11	1225.50	-118.40	15.93	6.89	17.26	616.88	16.59	16.59	15.81	16.59	18.14	64.7	11:49:34	0:00:46
12	1225.50	-118.40	15.93	6.89	17.26	720.88	16.59	16.20	15.81	16.59	18.14	64.7	11:50:20	0:00:46
13	1225.50	-118.40	16.03	6.94	17.35	753.37	16.59	16.20	15.81	16.59	18.14	64.7	11:51:07	0:00:47
14	1225.50	-118.40	15.93	6.89	17.26	714.38	16.59	16.59	15.81	16.59	18.14	64.7	11:51:54	0:00:47
15	1225.50	489.20	15.93	6.89	17.35	629.88	16.59	16.59	15.81	16.59	18.14	64.7	11:52:40	0:00:46
16	1225.50	489.20	15.93	6.89	17.26	694.88	16.59	16.59	15.81	16.59	17.75	64.0	11:53:26	0:00:46
17	1225.50	-118.40	15.93	6.89	17.26	636.38	16.20	16.59	15.81	16.20	17.75	64.0	11:54:12	0:00:46
18	1235.30	489.20	15.93	6.89	17.26	649.38	16.20	16.59	15.81	16.20	17.75	64.0	11:54:59	0:00:47
19	950.99	-118.40	15.93	6.94	17.35								11:55:43	0:00:44
20														
21														
22														
23														
24														
25														
26														
Average	1161.52	-56.51	15.95	6.90	16.51	683.32	16.84	16.59	15.79		18.07	64.5		0:04:02