

Satellite	FO-29	Date	9/29/2019				Time	20:55:00				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		
1	60	71	98	96	A3	7A	B3	AB	AC	BC	AB	20:55:46	0:00:46		
2	7C	72	98	96	A4	E1	B3	AB	AC	B1	AB	20:56:31	0:00:45		
3	7F	72	97	95	A3	71	B3	AA	AC	B1	AB	20:57:19	0:00:48		
4	78	61	96	94	A2	49	B3	AA	AC	B1	AB	20:58:05	0:00:46		
5	79	62	96	94	B1	30	B3	AB	AC	B1	AB	20:58:54	0:00:49		
6	7A	62	97	94	B1	74	B4	AA	AC	B1	AB	20:59:41	0:00:47		
7	7A	62	97	95	B0	78	B4	AA	AC	B1	AB	21:00:28	0:00:47		
8	7C	73	99	95	B1	79	B4	AA	AC	B1	AB	21:01:16	0:00:48		
9	7C	61	98	95	A3	60	B4	AA	AC	B1	AB	21:02:02	0:00:46		
10	7F	62	97	94	B0	75	B4	AA	AC	B1	AB	21:02:49	0:00:47		
11	63	62	98	95	B0	6F	B4	AA	AC	B1	AB	21:03:36	0:00:47		
12	66	62	97	94	B1	78	B4	AA	AB	B1	AB	21:04:23	0:00:47		
13	64	62	97	94	B0	70	B4	AA	AB	B1	AB	21:05:10	0:00:47		
14	69	61	97	94	B1	8A	B4	AA	AB	B1	AB	21:05:57	0:00:47		
15	6F	61	97	94	B1	6F	B4	AA	AB	B1	AB	21:06:40	0:00:43		
16	70	62	97	94	B1	4A	B4	AA	AB	B1	AB	21:07:31	0:00:51		
17	73	61	98	94	B0	33	B4	AA	AB	B1	AB	21:08:19	0:00:48		
18	75	62	98	94	B1	6A	B4	AA	AB	B1	AB	21:09:04	0:00:45		
19	78	62	98	94	B1	70	B4	AD	AB	B1	AB	21:09:52	0:00:48		
20	79	62	98	94	B1	64	B4	AB	AB	B1	AB	21:10:40	0:00:48		
21	7F	62	98	95	B1	77	B4	AB	AA	B1	AB	21:11:27	0:00:47		
22	7F	62	99	95	B1	80	B4	AB	AA	B1	AC	21:12:15	0:00:48		
23	7F	62	99	95	B1	E0	B4	AB	AA	B0	AC	21:13:01	0:00:46		
24	77	62	99	95	B1	73	B4	AB	AA	B0	AC	21:13:49	0:00:48		
25	74	62	99	95			B4	AB	AA	B0	AC	21:14:36	0:00:47		
26	75	62	9A	96	B0	66	B4	AB	AA	B0	AC	21:15:23	0:00:47		

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	941.18	214.80	16.36	7.23	15.98	694.88	12.31	15.42	15.03	8.82	15.42	59.8	20:55:46	0:00:46
2	1215.70	234.40	16.36	7.23	16.08	1364.35	12.31	15.42	15.03	13.09	15.42	59.8	20:56:31	0:00:45
3	1245.11	234.40	16.25	7.18	15.98	636.38	12.31	15.81	15.03	13.09	15.42	59.8	20:57:19	0:00:48
4	1176.48	-98.80	16.14	7.13	15.88	376.39	12.31	15.81	15.03	13.09	15.42	59.8	20:58:05	0:00:46
5	1186.28	-79.20	16.14	7.13	17.35	213.90	12.31	15.42	15.03	13.09	15.42	59.8	20:58:54	0:00:49
6	1196.09	-79.20	16.25	7.13	17.35	655.88	11.93	15.81	15.03	13.09	15.42	59.8	20:59:41	0:00:47
7	1196.09	-79.20	16.25	7.18	17.26	681.88	11.93	15.81	15.03	13.09	15.42	59.8	21:00:28	0:00:47
8	1215.70	254.00	16.46	7.18	17.35	688.38	11.93	15.81	15.03	13.09	15.42	59.8	21:01:16	0:00:48
9	1215.70	-98.80	16.36	7.18	15.98	525.88	11.93	15.81	15.03	13.09	15.42	59.8	21:02:02	0:00:46
10	1245.11	-79.20	16.25	7.13	17.26	662.38	11.93	15.81	15.03	13.09	15.42	59.8	21:02:49	0:00:47
11	970.60	-79.20	16.36	7.18	17.26	623.38	11.93	15.81	15.03	13.09	15.42	59.8	21:03:36	0:00:47
12	1000.01	-79.20	16.25	7.13	17.35	681.88	11.93	15.81	15.42	13.09	15.42	59.8	21:04:23	0:00:47
13	980.40	-79.20	16.25	7.13	17.26	629.88	11.93	15.81	15.42	13.09	15.42	59.8	21:05:10	0:00:47
14	1029.42	-98.80	16.25	7.13	17.35	798.87	11.93	15.81	15.42	13.09	15.42	59.8	21:05:57	0:00:47
15	1088.24	-98.80	16.25	7.13	17.35	623.38	11.93	15.81	15.42	13.09	15.42	59.8	21:06:40	0:00:43
16	1098.05	-79.20	16.25	7.13	17.35	382.89	11.93	15.81	15.42	13.09	15.42	59.8	21:07:31	0:00:51
17	1127.46	-98.80	16.36	7.13	17.26	233.40	11.93	15.81	15.42	13.09	15.42	59.8	21:08:19	0:00:48
18	1147.07	-79.20	16.36	7.13	17.35	590.88	11.93	15.81	15.42	13.09	15.42	59.8	21:09:04	0:00:45
19	1176.48	-79.20	16.36	7.13	17.35	629.88	11.93	14.64	15.42	13.09	15.42	59.8	21:09:52	0:00:48
20	1186.28	-79.20	16.36	7.13	17.35	551.88	11.93	15.42	15.42	13.09	15.42	59.8	21:10:40	0:00:48
21	1245.11	-79.20	16.36	7.18	17.35	675.38	11.93	15.42	15.81	13.09	15.42	59.8	21:11:27	0:00:47
22	1245.11	-79.20	16.46	7.18	17.35	733.88	11.93	15.42	15.81	13.09	15.03	59.1	21:12:15	0:00:48
23	1245.11	-79.20	16.46	7.18	17.35	1357.85	11.93	15.42	15.81	13.48	15.03	59.1	21:13:01	0:00:46
24	1166.68	-79.20	16.46	7.18	17.35	649.38	11.93	15.42	15.81	13.48	15.03	59.1	21:13:49	0:00:48
25	1137.26	-79.20	16.46	7.18			11.93	15.42	15.81	13.48	15.03	59.1	21:14:36	0:00:47
26	1147.07	-79.20	16.57	7.23	17.26	564.88	11.93	15.42	15.81	13.48	15.03	59.1	21:15:23	0:00:47
Average	1147.07	-34.72	16.33	7.16	17.06	649.12	12.00	15.62	15.35	12.99	15.35	59.6		0:00:47