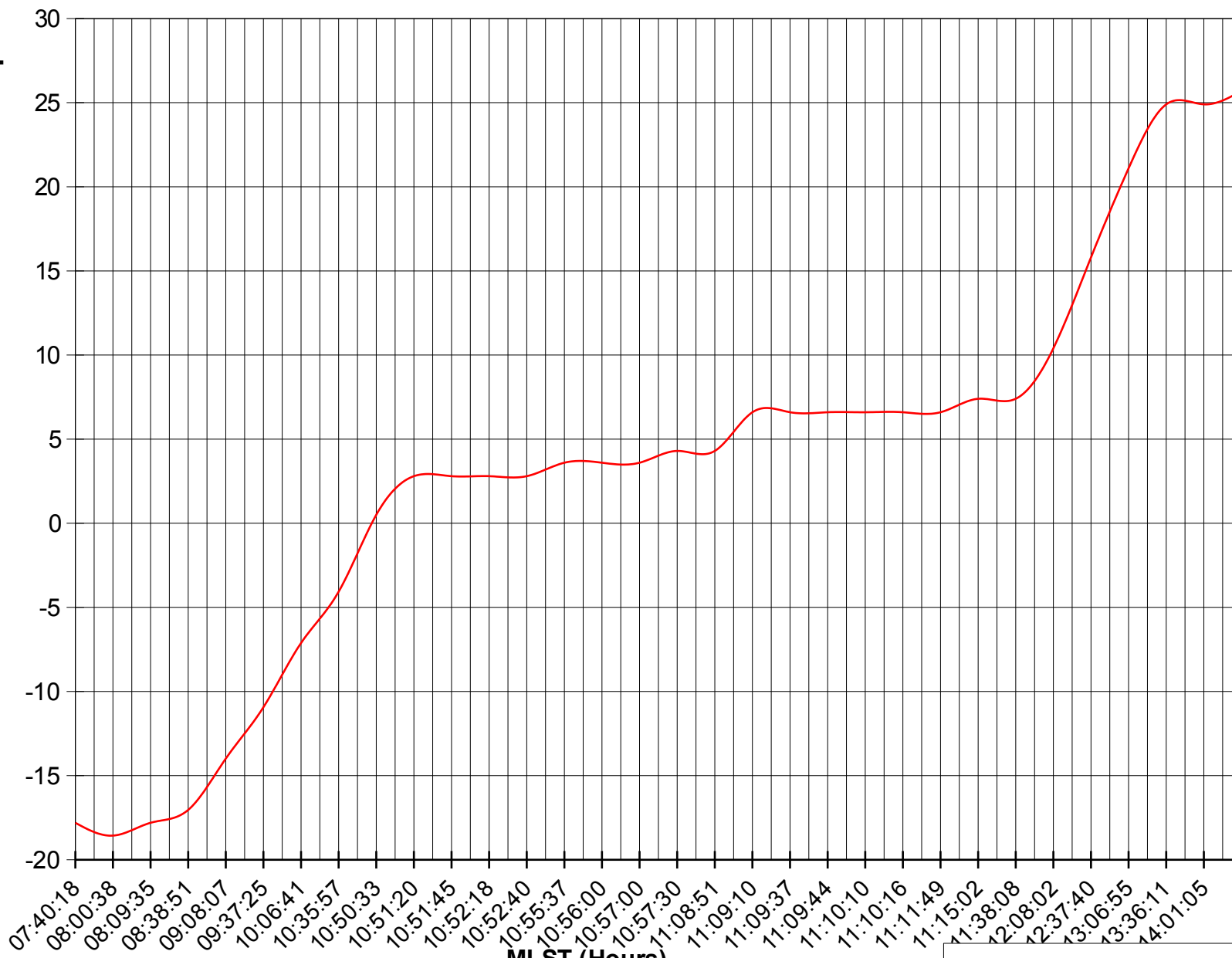


Mars Pathfinder Rover Telecom SOL12

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Modem Temperature C

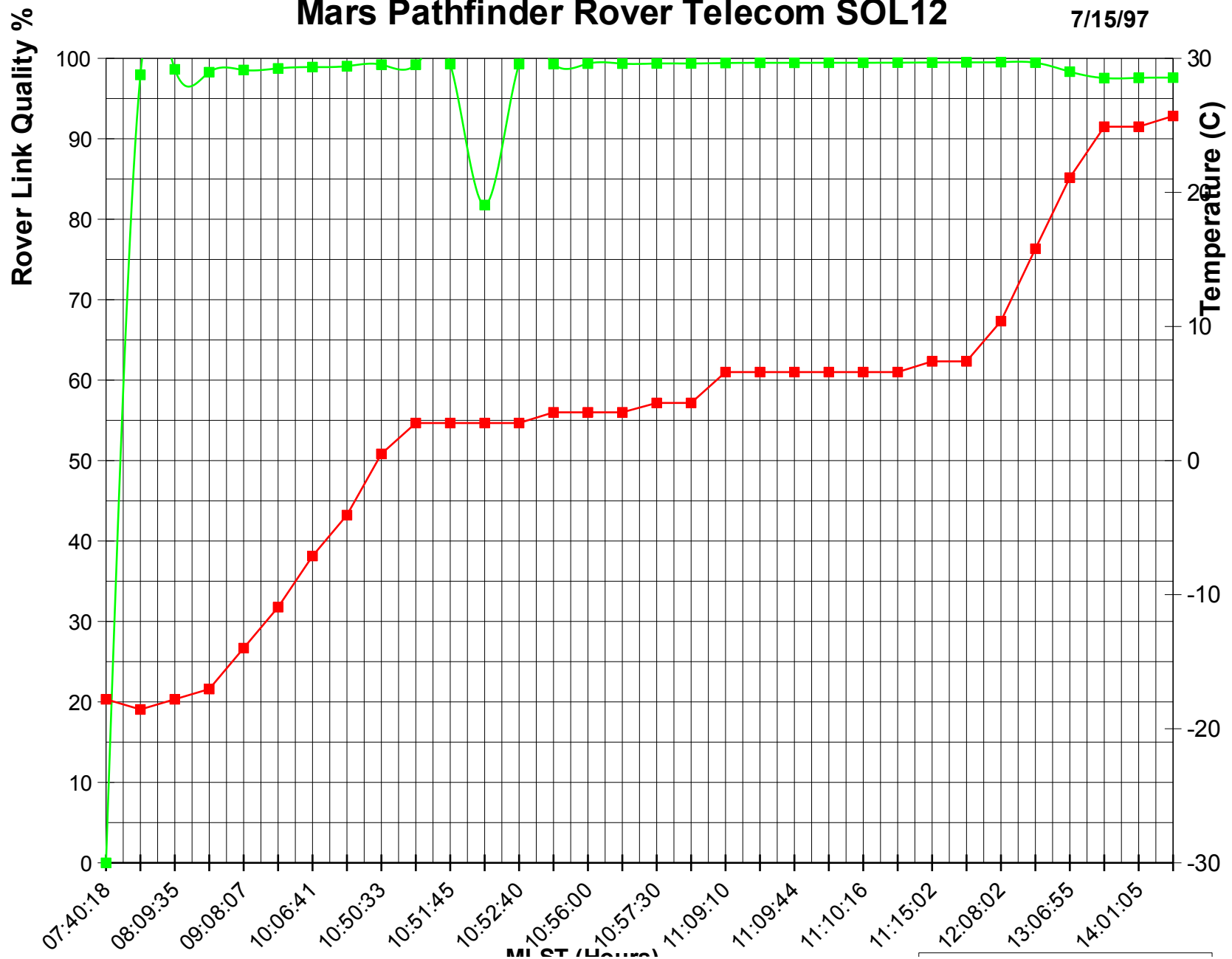


MLST (hours)

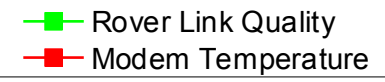
— Rover Modem Temp

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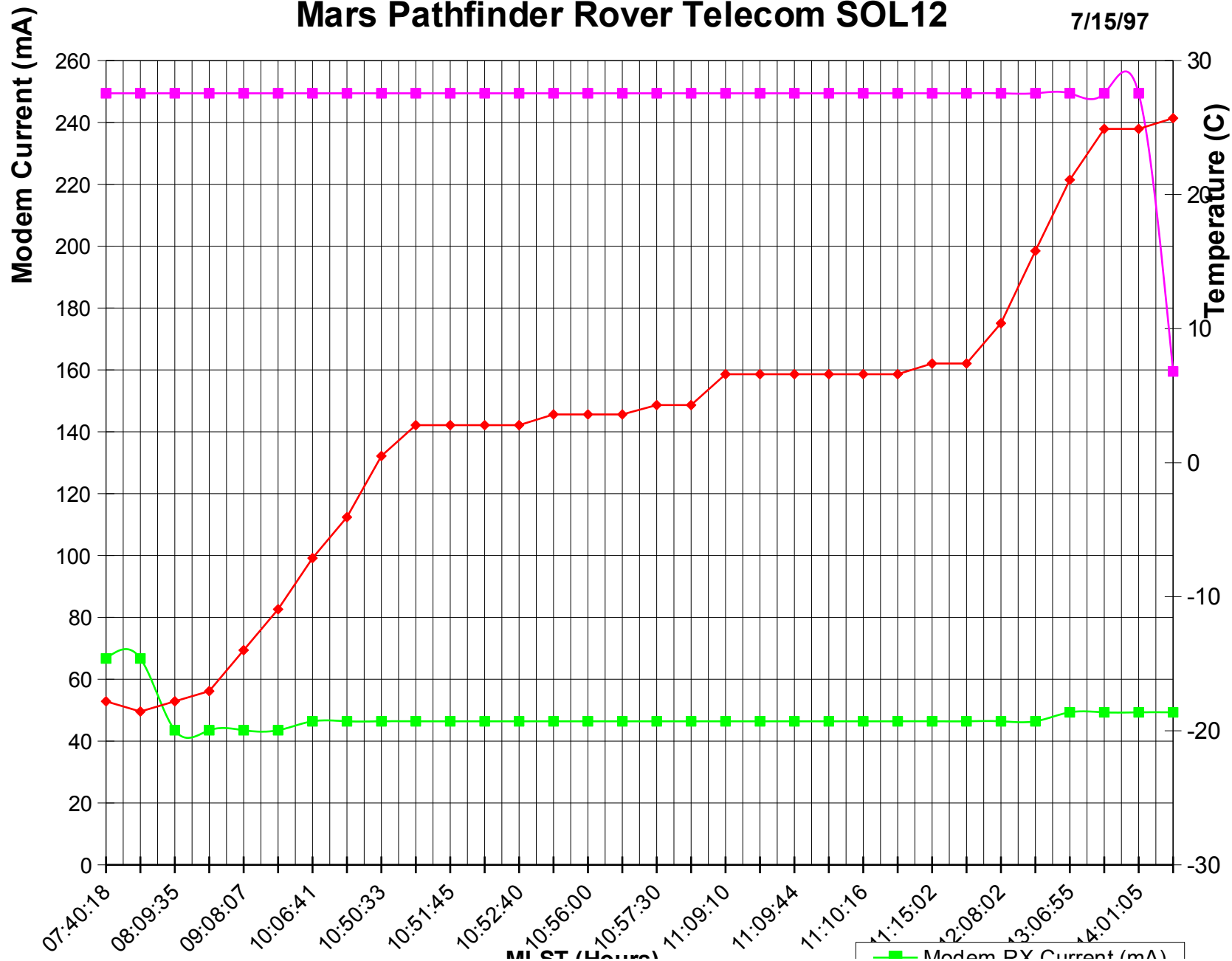


MLST (hours)

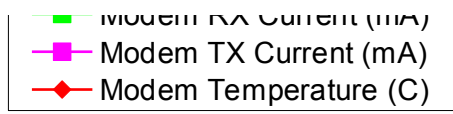


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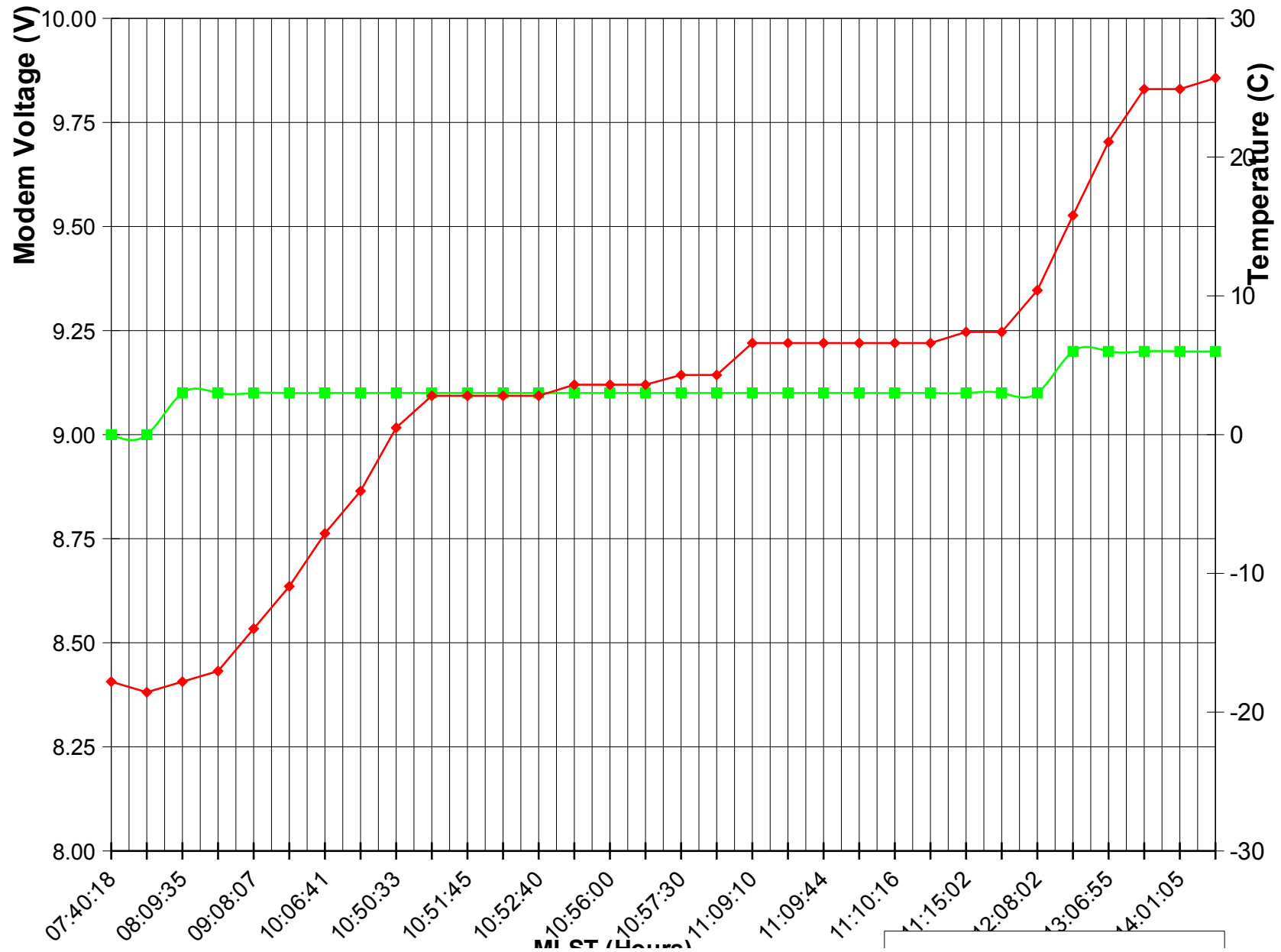


MLST (hours)

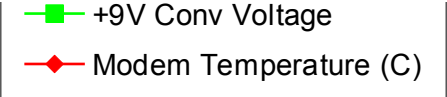


Mars Pathfinder Rover Telecom SOL12

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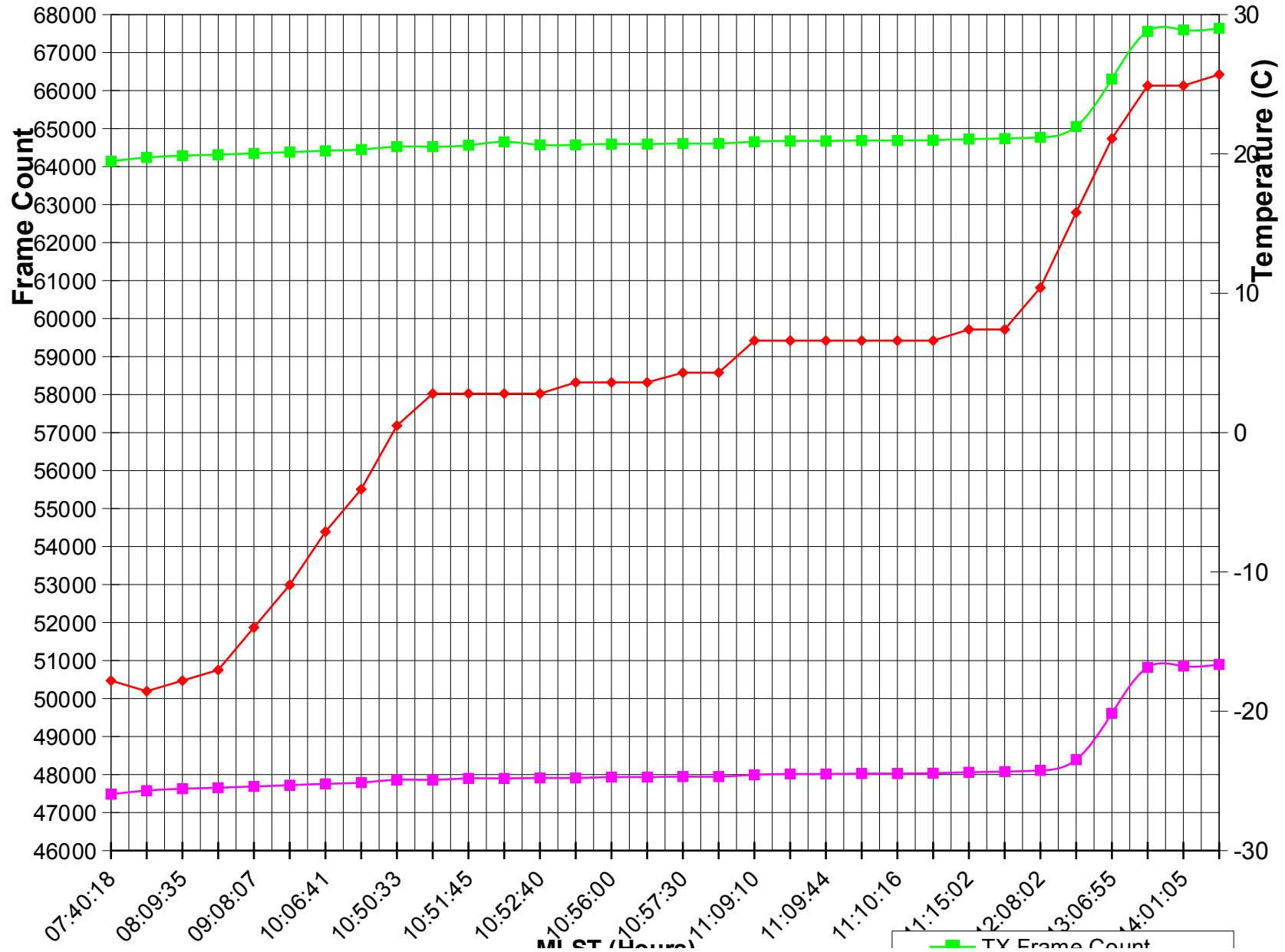


MLST (hours)

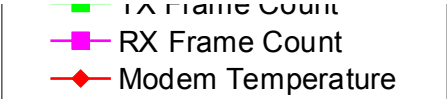


Mars Pathfinder Rover Telecom SOL12

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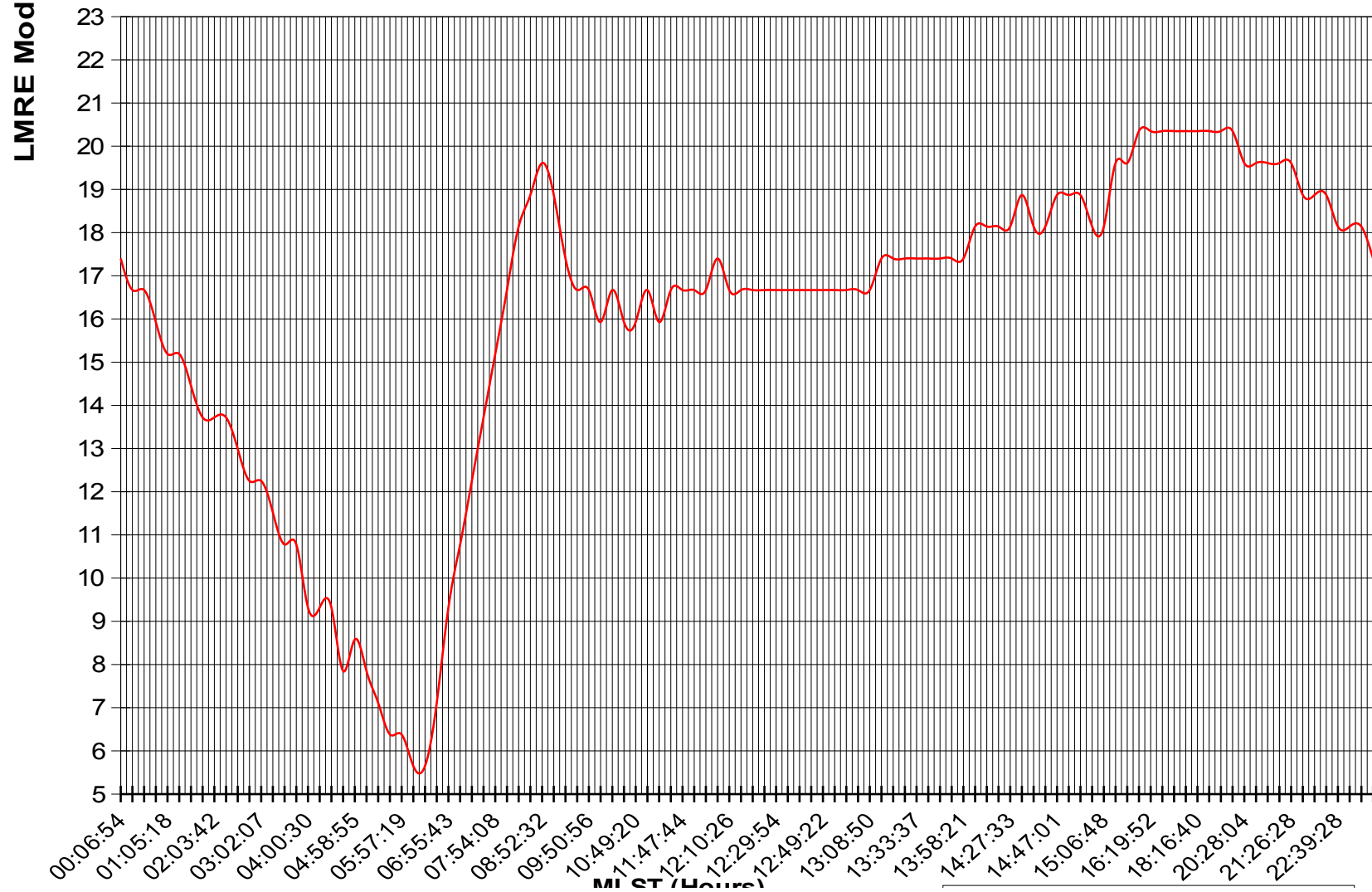


MLST (hours)



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Mars Pathfinder Rover Telecom SOL12

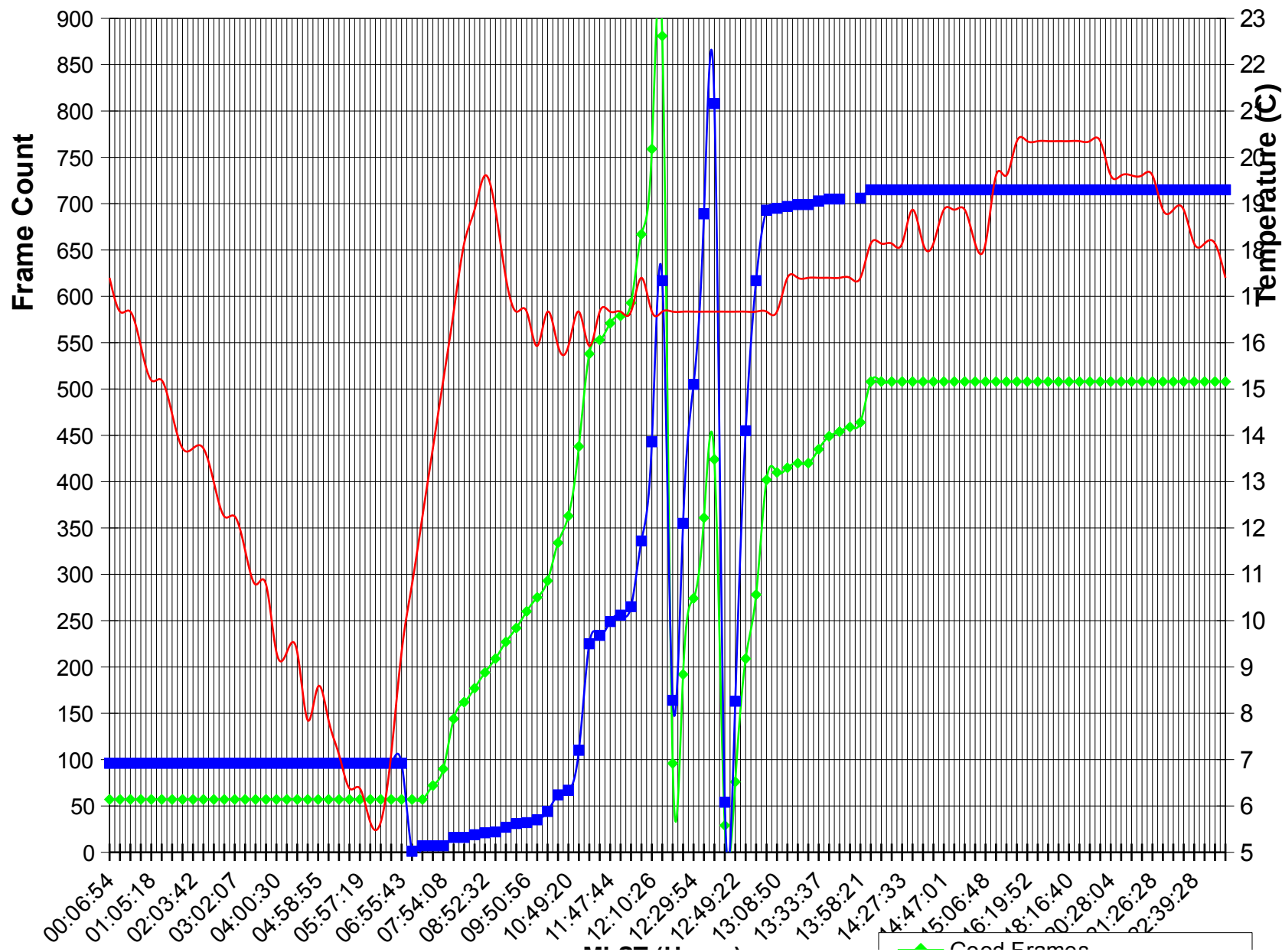


MLST (hours)

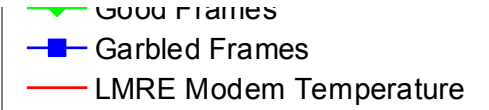
— LMRE Modem Temperature

Mars Pathfinder Rover Telecom SOL12

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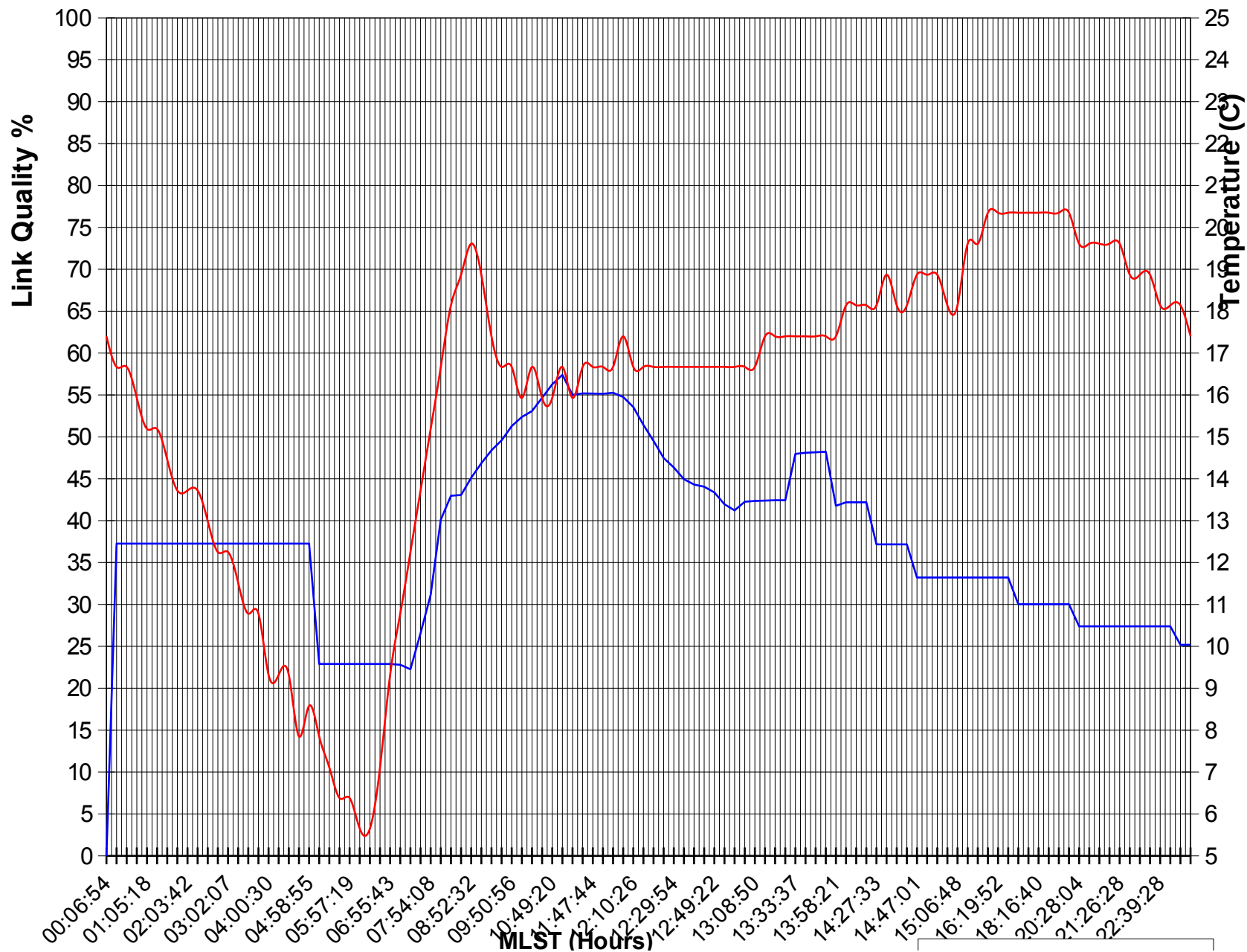


MLSI (Hours)

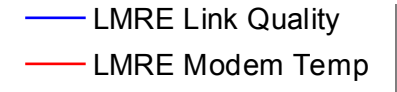


Mars Pathfinder Rover Telecom SOL12

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SOL 9

SOL 10 SOL 10 SOL 10

SOL 12 LMRE DATA

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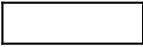
SCET	SCLK	MLST	LMRE Temp	Good Frames	Garbled Frames	Sum Good	Sum Garbled	Quality% (good)/(good+garb)*100
21:13:57	09:33:58	00:06:54	17.4	57	96	57	96	0.0
21:28:57	09:33:58	00:21:30	16.67	57	96	57	96	37.3
21:43:57	09:33:58	00:36:06	16.67	57	96	57	96	37.3
21:58:57	09:33:59	00:50:42	15.93	57	96	57	96	37.3
22:13:57	09:33:59	01:05:18	15.19	57	96	57	96	37.3
22:28:57	09:34:00	01:19:54	15.19	57	96	57	96	37.3
22:43:57	09:34:00	01:34:30	14.46	57	96	57	96	37.3
22:58:57	09:34:01	01:49:06	13.72	57	96	57	96	37.3
23:13:57	09:34:01	02:03:42	13.72	57	96	57	96	37.3
23:28:57	09:34:02	02:18:18	13.72	57	96	57	96	37.3
23:43:57	09:34:03	02:32:54	12.99	57	96	57	96	37.3
23:58:57	09:34:03	02:47:30	12.25	57	96	57	96	37.3
00:13:57	09:34:03	03:02:07	12.25	57	96	57	96	37.3
00:28:57	09:34:04	03:16:42	11.52	57	96	57	96	37.3
00:43:57	09:34:04	03:31:18	10.78	57	96	57	96	37.3
00:58:57	09:34:05	03:45:55	10.78	57	96	57	96	37.3
01:13:57	09:34:05	04:00:30	9.32	57	96	57	96	37.3
01:28:57	09:34:06	04:15:07	9.32	57	96	57	96	37.3
01:43:57	09:34:06	04:29:42	9.32	57	96	57	96	37.3
01:58:57	09:34:07	04:44:19	7.85	57	96	57	96	37.3
02:13:57	09:34:07	04:58:55	8.58	57	96	57	96	37.3
02:28:57	09:34:08	05:13:31	7.85	57	96	57	192	22.9
02:43:57	09:34:09	05:28:07	7.11	57	96	57	192	22.9
02:58:57	09:34:09	05:42:43	6.38	57	96	57	192	22.9
03:13:57	09:34:10	05:57:19	6.38	57	96	57	192	22.9
03:28:57	09:34:10	06:11:55	5.65	57	96	57	192	22.9
03:43:57	09:34:11	06:26:31	5.65	57	96	57	192	22.9
03:58:57	09:34:12	06:41:07	7.11	57	96	57	192	22.9
04:13:57	09:34:12	06:55:43	9.32	57	96	57	192	22.9
04:28:57	09:34:13	07:10:19	10.78	57	1	57	193	22.8
04:43:57	09:34:14	07:24:55	12.25	57	7	57	199	22.3
04:58:57	09:34:14	07:39:31	13.72	72	7	72	199	26.6


05:13:57	09:34:15	07:54:08	15.19	90	7	90	199	31.1
05:28:57	09:34:16	08:08:44	16.67	144	16	144	215	40.1
05:43:57	09:34:17	08:23:20	18.14	162	16	162	215	43.0
05:58:57	09:34:18	08:37:56	18.87	177	19	177	234	43.1
06:13:57	09:34:18	08:52:32	19.61	194	21	194	236	45.1
06:28:57	09:34:19	09:07:08	18.87	209	22	209	237	46.9
06:43:57	09:34:19	09:21:44	17.4	227	27	227	242	48.4
06:58:57	09:34:20	09:36:20	16.67	242	31	242	246	49.6
07:13:57	09:34:20	09:50:56	16.67	260	32	260	247	51.3
07:28:57	09:34:21	10:05:32	15.93	275	35	275	250	52.4
07:43:57	09:34:22	10:20:08	16.67	293	44	293	259	53.1
07:58:57	09:34:22	10:34:44	15.93	334	62	334	277	54.7
08:13:57	09:34:23	10:49:20	15.93	363	67	363	282	56.3
08:28:57	09:34:23	11:03:56	16.67	438	110	438	325	57.4
08:43:57	09:34:25	11:18:32	15.93	538	225	538	440	55.0
08:58:57	09:34:26	11:33:08	16.67	553	234	553	449	55.2
09:13:57	09:34:26	11:47:44	16.67	571	249	571	464	55.2
09:22:16	09:34:27	11:55:49	16.67	579	256	579	471	55.1
09:27:16	09:38:38	12:00:41	16.67	593	265	593	480	55.3
09:32:16	09:43:37	12:05:33	17.4	667	336	667	551	54.8
09:37:16	09:48:39	12:10:26	16.67	759	443	759	658	53.6
09:42:17	09:53:38	12:15:18	16.67	881	617	881	832	51.4
09:47:16	09:58:38	12:20:10	16.67	96	164	977	996	49.5
09:52:16	10:03:39	12:25:02	16.67	192	355	1073	1187	47.5
09:57:16	10:08:38	12:29:54	16.67	274	505	1155	1337	46.3
10:02:16	10:13:38	12:34:46	16.67	361	689	1242	1521	45.0
10:07:16	10:18:38	12:39:38	16.67	424	808	1305	1640	44.3
10:12:16	10:23:38	12:44:30	16.67	29	54	1334	1694	44.1
10:17:16	10:28:37	12:49:22	16.67	76	163	1381	1803	43.4
10:22:16	10:33:38	12:54:14	16.67	209	455	1514	2095	42.0
10:27:16	10:38:38	12:59:06	16.67	278	617	1583	2257	41.2
10:32:16	10:43:37	13:03:58	16.67	402	693	1707	2333	42.3
10:37:16	10:48:38	13:08:50	16.67	410	695	1715	2335	42.3
10:42:16	10:53:38	13:13:42	17.4	415	697	1720	2337	42.4
10:47:16	10:58:38	13:18:34	17.4	420	699	1725	2339	42.4

10:47:41	10:59:02	13:18:57	17.4	420	699	1725	2339	42.4
11:02:44	11:24:31	13:33:37	17.4	435	703	2160	2343	48.0
11:13:09	11:24:32	13:43:44	17.4	449	705	2174	2345	48.1
11:18:09	11:29:31	13:48:37	17.4	454	705	2179	2345	48.2
11:23:09	11:34:31	13:53:29	17.4	459		2184	2345	48.2
11:28:09	11:39:31	13:58:21	17.4	464	706	2189	3051	41.8
11:33:09	11:44:32	14:03:13	18.14	508	715	2233	3060	42.2
11:38:09	11:49:31	14:08:05	18.14	508	715	2233	3060	42.2
11:53:09	12:04:31	14:22:41	18.14	508	715	2233	3060	42.2
11:58:09	12:09:32	14:27:33	18.14	508	715	2233	3775	37.2
12:03:09	12:14:32	14:32:25	18.87	508	715	2233	3775	37.2
12:08:09	12:19:32	14:37:17	18.14	508	715	2233	3775	37.2
12:13:09	12:24:32	14:42:09	18.14	508	715	2233	3775	37.2
12:18:09	12:29:32	14:47:01	18.87	508	715	2233	4490	33.2
12:23:09	12:34:31	14:51:53	18.87	508	715	2233	4490	33.2
12:28:09	12:39:31	14:56:45	18.87	508	715	2233	4490	33.2
12:33:09	12:44:31	15:01:37	18.14	508	715	2233	4490	33.2
12:38:29	12:49:50	15:06:48	18.14	508	715	2233	4490	33.2
12:53:32	09:43:33	15:21:28	19.61	508	715	2233	4490	33.2
13:23:32	09:43:35	15:50:40	19.61	508	715	2233	4490	33.2
13:38:32	09:43:35	16:05:16	20.35	508	715	2233	4490	33.2
13:53:32	09:43:36	16:19:52	20.35	508	715	2233	4490	33.2
14:53:32	09:43:38	17:18:16	20.35	508	715	2233	4490	33.2
15:08:32	09:43:38	17:32:52	20.35	508	715	2233	5205	30.0
15:38:32	09:43:40	18:02:04	20.35	508	715	2233	5205	30.0
15:53:32	09:43:41	18:16:40	20.35	508	715	2233	5205	30.0
17:23:32	09:43:44	19:44:16	20.35	508	715	2233	5205	30.0
17:38:32	09:43:45	19:58:52	20.35	508	715	2233	5205	30.0
17:53:32	09:43:45	20:13:28	20.35	508	715	2233	5205	30.0
18:08:32	09:43:46	20:28:04	19.61	508	715	2233	5920	27.4
18:23:32	09:43:47	20:42:40	19.61	508	715	2233	5920	27.4
18:38:32	09:43:48	20:57:16	19.61	508	715	2233	5920	27.4
18:53:32	09:43:48	21:11:52	19.61	508	715	2233	5920	27.4
19:08:32	09:43:49	21:26:28	19.61	508	715	2233	5920	27.4
19:23:32	09:43:49	21:41:04	18.87	508	715	2233	5920	27.4

19:53:32	09:43:50	22:10:16	18.87	508	715	2233	5920	27.4
20:08:32	09:43:51	22:24:52	18.87	508	715	2233	5920	27.4
20:23:32	09:43:52	22:39:28	18.14	508	715	2233	5920	27.4
20:53:32	09:43:53	23:08:40	18.14	508	715	2233	5920	27.4
21:08:32	09:43:53	23:23:16	18.14	508	715	2233	6635	25.2
21:23:32	09:43:55	23:37:52	17.4	508	715	2233	6635	25.2

00

 = raw data

 = derived data

SOL12 ROVER DATA

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% = (delta F

SCET	SCLK	MLST	Modem Temp	RX Current	TX Current	+9V Conv	TX Frame Count	RX Frame Count	Delta TX	Delta RX	Quality%
04:29:41	09:34:30	07:11:02	-17.8038	66.7	249.4	9	64141	47483	0	0	0.0
04:59:46	09:34:50	07:40:18	-18.5669	66.7	249.4	9	64238	47578	97	95	97.9
05:20:39	09:34:52	08:00:38	-17.8038	43.5	249.4	9.1	64287	47627	146	144	98.6
05:29:51	09:34:54	08:09:35	-17.0407	43.5	249.4	9.1	64315	47654	174	171	98.3
05:59:55	09:34:57	08:38:51	-13.9883	43.5	249.4	9.1	64348	47687	207	204	98.6
06:29:59	09:34:57	09:08:07	-10.9359	43.5	249.4	9.1	64381	47720	240	237	98.8
07:00:05	09:34:58	09:37:25	-7.1204	46.4	249.4	9.1	64417	47756	276	273	98.9
07:30:09	09:35:03	10:06:41	-4.068	46.4	249.4	9.1	64450	47789	309	306	99.0
08:00:12	09:35:03	10:35:57	0.5	46.4	249.4	9.1	64523	47862	382	379	99.2
08:15:12	09:34:32	10:50:33	2.8	46.4	249.4	9.1	64523	47862	382	379	99.2
08:16:01	09:35:04	10:51:20	2.8	46.4	249.4	9.1	64561	47900	420	417	99.3
08:16:26	09:34:35	10:51:45	2.8	46.4	249.4	9.1	64651	47900	510	417	81.8
08:17:01	09:35:04	10:52:18	2.8	46.4	249.4	9.1	64572	47911	431	428	99.3
08:17:23	09:34:56	10:52:40	3.6	46.4	249.4	9.1	64572	47911	431	428	99.3
08:20:25	09:35:10	10:55:37	3.6	46.4	249.4	9.1	64595	47934	454	451	99.3
08:20:48	09:35:02	10:56:00	3.6	46.4	249.4	9.1	64595	47934	454	451	99.3
08:21:51	09:35:11	10:57:00	4.3	46.4	249.4	9.1	64607	47946	466	463	99.4
08:22:21	09:35:27	10:57:30	4.3	46.4	249.4	9.1	64607	47946	466	463	99.4
08:34:00	09:35:11	11:08:51	6.6	46.4	249.4	9.1	64655	47994	514	511	99.4
08:34:21	09:35:14	11:09:10	6.6	46.4	249.4	9.1	64677	48016	536	533	99.4
08:34:48	09:35:33	11:09:37	6.6	46.4	249.4	9.1	64677	48016	536	533	99.4
08:34:56	09:35:14	11:09:44	6.6	46.4	249.4	9.1	64686	48025	545	542	99.4
08:35:22	09:35:33	11:10:10	6.6	46.4	249.4	9.1	64686	48025	545	542	99.4
08:35:28	09:35:16	11:10:16	6.6	46.4	249.4	9.1	64698	48037	557	554	99.5
08:37:04	09:35:17	11:11:49	7.4	46.4	249.4	9.1	64721	48060	580	577	99.5
08:40:23	09:35:19	11:15:02	7.4	46.4	249.4	9.1	64739	48078	598	595	99.5
09:04:06	09:35:21	11:38:08	10.4	46.4	249.4	9.1	64769	48108	628	625	99.5
09:34:50	09:46:15	12:08:02	15.8	46.4	249.4	9.2	65054	48391	913	908	99.5
10:05:16	10:16:42	12:37:40	21.1	49.3	249.4	9.2	66306	49612	2165	2129	98.3
10:35:19	10:46:43	13:06:55	24.9	49.3	249.4	9.2	67562	50820	3421	3337	97.5
11:05:23	11:24:32	13:36:11	24.9	49.3	249.4	9.2	67596	50854	3455	3371	97.6
11:30:58	11:42:23	14:01:05	25.7	49.3	159.5	9.2	67640	50898	3499	3415	97.6

$RX/\Delta TX \times 100$

X POSITION Y POSITION HEADING

4.373	-3.397	212.458
4.373	-3.397	212.458
4.373	-3.397	212.458
4.373	-3.397	212.458
4.373	-3.397	212.458
4.373	-3.397	212.458
4.373	-3.397	212.458
4.373	-3.397	212.458
4.335	-3.242	205.246
4.335	-3.242	205.246
4.115	-3.356	206.608
4.115	-3.356	206.608
4.115	-3.356	154.271
4.115	-3.356	154.271
2.456	-2.723	162.466
2.456	-2.723	162.466
2.456	-2.723	59.061
2.456	-2.723	59.061
3.231	-1.434	62.219
3.231	-1.434	62.219
3.231	-1.434	62.219
3.231	-1.434	59.676
3.231	-1.434	59.676
3.231	-1.434	59.451
3.231	-1.434	59.451
3.231	-1.434	59.451
3.231	-1.434	59.451
3.231	-1.434	59.451
3.231	-1.434	59.451
3.231	-1.434	59.451
3.231	-1.434	59.451
3.231	-1.434	59.451

= raw data

= derived data