

15 Morse code characters (0..9, A..Z)

Satellite ID	ORESAT1	8	9	10
		Bus Voltage	Bus Current	Batt Temp Hi
1	A	2.0	-4.096	< -150
2	B	2.1	-2.048	-140
3	C	2.2	-1.024	-130
4	D	2.3	-0.512	-120
5	E	2.4	-0.256	-110
6	F	2.5	-0.128	-100
7	G	2.6	-0.064	-90
8	H	2.7	-0.032	-80
9	I	2.8	-0.016	-70
10	J	2.9	-0.008	-60
11	K	3.0	-0.004	-50
12	L	3.1	-0.002	-40
13	M	3.2	-0.001	-30
14	N	3.3	0.001	-20
15	O	3.4	0.002	-10
16	P	3.5	0.004	0
17	Q	3.6	0.008	10
18	R	3.7	0.016	20
19	S	3.8	0.032	30
20	T	3.9	0.064	40
21	U	4.0	0.128	50
22	V	4.1	0.256	60
23	W	4.2	0.512	70
24	X	4.3	1.024	80
25	Y	4.4	2.048	90
26	Z	4.5	4.096	100
27	0	4.6	8.192	110
28	1	4.7	16.384	120
29	2	4.8	32.768	130
30	3	4.9	65.536	140
31	4	5.0	-	150
32	5	5.1	-	160
33	6	5.2	-	170
34	7	5.3	-	180
35	8	5.4	-	190
36	9	5.5	-	> 190
min		2.0	0	
Max		5.0	10	
Range		3.0	5.0	
V/bit		0.094	0.156	

11	12	13	14	15	Uptime			
Batt Temp	Lo Up time (S)	Rx Code	Err Code	CRC-5	D	H	M	S
< -150	0.2 TBD	TBD		0	###	###	###	###
-140	0.4 TBD	TBD		1	###	###	###	###
-130	0.8 TBD	TBD		2	###	###	###	###
-120	1.6 TBD	TBD		3	###	###	###	###
-110	3.2 TBD	TBD		4	###	###	###	###
-100	6.4 TBD	TBD		5	###	###	###	###
-90	12.8 TBD	TBD		6	###	###	###	###
-80	25.6 TBD	TBD		7	###	###	###	###
-70	51.2 TBD	TBD		8	###	###	###	###
-60	102.4 TBD	TBD		9	###	###	###	###
-50	204.8 TBD	TBD		10	###	###	###	###
-40	409.6 TBD	TBD		11	###	###	###	###
-30	819.2 TBD	TBD		12	###	###	###	###
-20	1638.4 TBD	TBD		13	###	###	###	###
-10	3276.8 TBD	TBD		14	###	###	###	###
0	6553.6 TBD	TBD		15	###	###	###	###
10	13107.2 TBD	TBD		16	###	###	###	###
20	26214.4 TBD	TBD		17	###	###	###	###
30	52428.8 TBD	TBD		18	###	###	###	###
40	104857.6 TBD	TBD		19	###	###	###	###
50	209715.2 TBD	TBD		20	###	###	###	###
60	419430.4 TBD	TBD		21	###	###	###	###
70	838860.8 TBD	TBD		22	###	###	###	###
80	1677721.6 TBD	TBD		23	###	###	###	###
90	3355443.2 TBD	TBD		24	###	###	###	###
100	6710886.4 TBD	TBD		25	###	###	###	###
110	13421772.8 TBD	TBD		26	###	###	###	###
120	26843545.6 TBD	TBD		27	###	###	###	###
130	- TBD	TBD		28	-	-	-	-
140	- TBD	TBD		29	-	-	-	-
150	- TBD	TBD		30	-	-	-	-
160	- TBD	TBD		31	-	-	-	-
170	- TBD	TBD		-	-	-	-	-
180	- TBD	TBD		-	-	-	-	-
190	- TBD	TBD		-	-	-	-	-
> 190	- TBD	TBD		-	-	-	-	-

CRC Polynomial

$$\text{CRC} = X^5 + X^2 + X^0$$