

Technical Support Bulletin 2009-02

Profile Termination Codes

Alert Level: INFORMATIONAL

Instrument: MMP

Software Versions: All Versions

Subject: Profile Termination Code Definitions

Summary: Detailed descriptions and corresponding firmware versions are provided for the MMP profile termination codes in the engineering file.

Technical Details: The MMP engineering file contains codes to describe how each profile ends. These codes are included in TIMETAGS.TXT, a summary file generated by the Unpacker. Codes that are unpacked in human readable format are listed as termination definitions. Codes that are unpacked in machine readable format are listed as numerical codes.

The list of codes and definitions differ in some MMP firmware versions. This Technical Support Bulletin provides a complete list of all profile termination codes, definitions and corresponding MMP firmware releases.



TIMETAGS.TXT and Profile Termination Codes

TIMETAGS.TXT is generated by the Unpacker to provide the date/time of sensor starts and stops, date/time of profiler motion starts and stops and a termination condition for each profile. All of this information is contained in the engineering file. The MMP firmware versions listed below use termination codes 0 through 20.

Rev C Electronics	Rev D Electronics	Rev C Electronics – Pattern Profiling
3.02	4.03	4.20
3.16	4.04	4.21
3.17	4.05	4.22
3.18	4.06	4.23
3.19	4.07	4.24
3.30	4.08	4.25
3.31	4.09	

MMP Profile Termination Codes		
Code	Definition	
0	SMOOTH RUNNI NG	
1	MISSION COMPLETE	
2	OPERATOR CTRL C	
3	TT8 COMM FAILURE	
4	CTD COMM FAILURE	
5	ACM COMM FAILURE	
6	TIMER EXPIRED	
7	MIN BATTERY	
8	AVG MOTOR CURRENT	
9	MAX MOTOR CURRENT	
10	SINGLE PRESSURE	
11	AVG PRESSURE	
12	AVG TEMPERATURE	
13	TOP PRESSURE	
14	BOTTOM PRESSURE	
15	PRESSURE RATE ZERO	
16	STOP NULL	
17	FLASH CARD FULL	
18	FILE SYSTEM FULL	
19	TOO MANY OPEN FILES	
20	AANDERRA COMM FAILURE	



The MMP firmware versions listed below use termination codes 0 through 19.

Rev C Electronics	Rev C Electronics – Patterned Profiling	Rev D Electronics
3.10	3.20	4.00
3.11	3.21	4.01
3.12	3.20	4.02
3.13	3.22	4.10
x3.13		
3.14		
x3.14		
y3.14		
3.15		
a3.15		
b3.15		
d3.15		

MMP Profile Termination Codes		
Code	Definition	
0	SMOOTH RUNNI NG	
1	MISSION COMPLETE	
2	OPERATOR CTRL C	
3	TT8 COMM FAILURE	
4	CTD COMM FAILURE	
5	ACM COMM FAILURE	
6	TIMER EXPIRED	
7	MIN BATTERY	
8	AVG MOTOR CURRENT	
9	MAX MOTOR CURRENT	
10	SINGLE PRESSURE	
11	AVG PRESSURE	
12	AVG TEMPERATURE	
13	TOP PRESSURE	
14	BOTTOM PRESSURE	
15	PRESSURE RATE ZERO	
16	STOP NULL	
17	FLASH CARD FULL	
18	FILE SYSTEM FULL	
19	TOO MANY OPEN FILES	



Firmware 3.03 and 3.04 Profile Termination Codes

MMP firmware versions 3.03 and 3.04 contain a profile termination code defined as 'real-time telemetry'. The profile termination codes for these two firmware versions differ slightly from other MMP firmware versions as shown below.

Note – Real-time telemetry was a termination code only in these two releases. In other MMP firmware releases, telemetry and profiling are handled as two separate actions and therefore telemetry does not terminate a profile.

Rev C Electronics
3.03
3.04

MMP Profile Termination Codes		
Code	Definition	
0	SMOOTH RUNNI NG	
1	MISSION COMPLETE	
2	OPERATOR CTRL C	
3	TT8 COMM FAILURE	
4	CTD COMM FAILURE	
5	ACM COMM FAILURE	
6	TIMER EXPIRED	
7	MIN BATTERY	
8	AVG MOTOR CURRENT	
9	MAX MOTOR CURRENT	
10	SINGLE PRESSURE	
11	AVG PRESSURE	
12	AVG TEMPERATURE	
13	TOP PRESSURE	
14	BOTTOM PRESSURE	
15	PRESSURE RATE ZERO	
16	REAL TIME TELEMETRY	
17	STOP NULL	
18	FLASH CARD FULL	
19	FILE SYSTEM FULL	
20	TOO MANY OPEN FILES	