

Format of GPS messages in slow data fields. (ICOM's spec.)

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Each messages used two slow data fields. First half byte indicates the type of message. And left half byte is length of bytes.

EX. 0x35 is the GPS message and length is 5 bytes. (3 is GPS message and 5 is length.)

Typical GPS data stream.(selected slow data field only and unscrambled)

Hex.	ASCII	Remark
25 62 85	% b ·	re-sync
35 24 47	5 \$ G	35 is GPS message and length is 5 characters.
50 47 47	P G G	
35 41 2c	5 A ,	
30 30 33	0 0 3	
35 30 31	5 0 1	
34 2c 33	4 , 3	
35 35 35	5 5 5	
33 2e 35	3 . 5	
35 37 39	5 7 9	
39 2c 4e	9 , N	
35 2c 31	5 , 1	
33 39 32	3 9 2	
35 34 2e	5 4 .	
39 34 33	9 4 3	
35 38 2c	5 8 ,	
45 2c 31	E , 1	
35 2c 30	5 , 0	
34 2c 34	4 , 4	
35 2e 33	5 . 3	
2c 33 35	, 3 5	
25 62 85	% b ·	re-sync
35 2e 32	5 . 2	
2c 4d 2c	, M ,	
35 33 38	5 3 8	
2e 36 2c	. 6 ,	
35 4d 2c	5 M ,	
2c 2a 37	, * 7	
33 37 0d	3 7	33 is GPS message and length is 3 characters.
0a 66 66	f f	66 66 are padding characters.
35 24 47	5 \$ G	
50 52 4d	P R M	
35 43 2c	5 C ,	
30 30 33	0 0 3	

35 30 31	5 0 1	
36 2c 41	6 , A	
35 2c 33	5 , 3	
35 35 33	5 5 3	
35 2e 35	5 . 5	
37 39 33	7 9 3	
35 2c 4e	5 , N	
2c 31 33	, 1 3	
25 62 85	% b ·	re-sync
35 39 32	5 9 2	
34 2e 39	4 . 9	
35 34 33	5 4 3	
35 2c 45	5 , E	
35 2c 30	5 , 0	
2e 30 2c	. 0 ,	
35 32 31	5 2 1	
30 2e 33	0 . 3	
35 2c 30	5 , 0	
37 30 35	7 0 5	
35 30 38	5 0 8	
2c 37 2e	, 7 .	
35 31 2c	5 1 ,	
57 2c 41	W , A	
35 2a 30	5 * 0	
46 0d 0a	F	
35 37 4d	5 7 M	
33 54 4a	3 T J	
35 5a 20	5 Z	
20 2c 4d	, M	
25 62 85	% b ·	re-sync
35 56 20	5 V	
20 2a 35	* 5	
35 39 20	5 9	
20 20 20		
35 20 20	5	
20 20 20		
35 20 20	5	
20 20 0d		
31 0a 66	1 f	31 is GPS message and length is 1 character.
66 66 66	f f f	66 66 66 66 are padding characters
66 66 66	f f f	dummy characters (padding characters)
66 66 66	f f f	
25 1a c6	% → =	Last Frame
aa 13 5e		