Search

Installation   Operation   Configurations   **Commands & Logs**   Specifications   Maintenance   New for OEM7   Support

You are here: *Commands & Logs* / *Logs* / *SPAN Logs* / *TSS1*

TSS1
TSS1 Protocol for Heave, Roll and Pitch

Platform: **OEM719, OEM729, OEM7500, OEM7600, OEM7700, OEM7720, PwrPak7, CPT7, CPT7700, SMART7-S**

This log provides heave, roll and pitch information in TSS1 protocol.

> This message is in a different format than any other log output by the SPAN system.

Message ID: 1456

Log Type: Synch

Recommended Input:

```
log tss1a ontime 1
```

Message Format:

```
:XXAAAASMHHHHQMRRRRSMPPPP<CR><LF>
```

ASCII Example:

```
:00FFCA -0003F-0325  0319
```

Field	Field Type	Description	Symbol	Example
1	Log header	TSS1 header	:	:
2	Horizontal Acceleration	Horizontal acceleration from 0 to 9.81 m/s^2. Shown as a one byte unsigned hex number where the least significant bit = 3.83 cm/s^2.	XX	00
3	Vertical Acceleration	Vertical acceleration from -20.48 to +20.48 m/s^2. Shown as a two byte hex number where the least significant bit = 0.0625 cm/s^2.	AAAA	FFCA
4	Space Character	A space delimiter.	S	
5	Heave Polarity	Space if positive. Minus sign (-) if negative.	M	-
6	Heave	Heave value from -99.99 to +99.99 m. Shown as a four digit integer where the least significant bit = 0.01 m.	HHHH	0003
7	Status Flag	F if INS Active. H if INS has not completed an alignment.	Q	F
8	Roll Polarity	Space if positive. Minus sign (-) if negative.	M	-
9	Roll	Roll value from -99.99 to +99.99 degrees. Shown as a four digit integer where the least significant bit = 0.01 degrees.	RRRR	0325
10	Space Character	A space delimiter.	S	
11	Pitch Polarity	Space if positive. Minus sign (-) if negative.	M	
12	Pitch	Pitch value from -99.99 to +99.99 degrees. Shown as a four digit integer where the least significant bit = 0.01 degrees.	PPPP	0319
13	[CR][LF]	Sentence terminator	<CR><LF>	