

# Ionosphere TEC/Scintillation Monitor Data Format

## DTS Data Format

### 1. Example

```

YYYY MM DD hh mm ss PRN Az Elv S4 60S Sig TEC0
2010 11 25 07 30 45 4 55.72 62.44 0.027252 0.062339 62.2329
2010 11 25 07 30 45 10 214.39 85.36 0.029646 0.037887 85.2403
    
```

### 2. Description

The record consists of two parts: the header and the data record.

A complete record in Fortran style is: I4, 5(X, I2), X, I4, 2(X, F6.2), 2(X, F8.6), X, F8.4.

The sampling rate is 1 minute.

No.	Item	Format Code	Units	Default Invalid	Data Range	Description
1	YEAR	I4		/	/	/
2	MON	I2		/	0-12	
3	DAY	I2		/	0-31	
4	HOUR	I2	hour	/	0-24	
5	MIN	I2	minute	/	0-59	
6	SEC	I2	second	/	0-59	
7	PRN	I4		/	1-32	Satellite number
8	Azimuth	F6.2	degree	/	0-360	/
9	Elevation	F6.2	degree	/	0-90	/
10	S4	F8.6		/	0-1	/
11	Sig-Ph	F8.6		/	0-1	/
12	Vertical TEC	F8.4	TECU	/	-200-200	/