



Spreadsheet Instructions

When you have decided what targets you want to go for and the instruments you want to use, you are ready to fill in the spreadsheet.

There are only two different columns that you can put data into:

1. Column C: target. Type in the name of the object you want to focus on, eg Titan.
2. Column D: instrument. Next to the name of the object put in the code for the instrument you want to use.

Key for instruments:

Instrument	Symbol
Imaging	I
Magnetometer	M
Dust detector	D
Radar	R
(asleep)	Z
<i>Telemetry Downlink</i>	<i>T</i>

Importantly, each instrument takes up data in the memory. There is a maximum amount that can be used up in each time period. Once the memory is full, the data must be sent back to Earth. This then means new observations can be made. However, whilst the data is downloaded the spacecraft can't be used for anything else.

		Data Rate
Instrument	Symbol	(Mb per hour)
Imaging	I	200
Magnetometer	M	70
Dust detector	D	100
Radar	R	400
(asleep)	Z	0
<i>Telemetry Downlink</i>	<i>T</i>	<i>-100</i>

The message "**SSR OVERLOAD!**" will show in Column G if the memory capacity has been exceeded. This means that the number of observations or the type of instrument used must be changed until no error message appears.

Once you have filled in all the slots where you want to make some observations (you don't have to fill in the whole spreadsheet!) you should ensure that the group knows the scientific reasons for making that observation as you may have to negotiate with other groups to get what you want...