

# PHI\_magnetograph\_FDT/HRT\_2

## Description

PHI science mode 2 is designed to produce the classical magnetograph dataset: I\_C, and velocity and magnetic field only along LOS.

It can be used with both FDT and HRT telescopes.

## Parameters

Cadence and binning

## Resource usage

Instrument modes	Parameters (fixed vs variable)		BINNING	CONT. INTENSITY	B_LOS	V_LOS	GAMMA	PHI	Data rate	Data Vol /day	Comments	Typical time /orbit
	(bits)	(s)							kbits/s	MiByte		
	INVDATATRUNC	CADENCE									Allocated science datarate: 20 kbits/s during RSW	
			n x n, provide n									
PHI_magnetograph_FDT/HRT_2	4194304	60-3600	1-4	5	5	5	0	0	1.09 - 1048.6	11.3 - 10800	(non-vector) Magnetograph mode	hours-days

To play around with parameters and the corresponding resource usage, see [ObservationDataRateCalculator.xlsx](#)

## SOOP Kitchen observations:

see observation definitions as configured in SOOP Kitchen: <https://solarorbiter.esac.esa.int/soopkitchen/#/observation-definitions>