

## Telemetry description

Payload Name	Telemetry ID	Telemetry Name	Unit	Description	Example
SCOF	J#P0500J03030	year	year	Recording Time: year	YYYY/MM/DD HH:MM:SS
SCOF	J#P0500J03040	day_of_month	day	Recording Time: month day	YYYY/MM/DD HH:MM:SS
SCOF	J#P0500J03050	hour	hour	Recording Time: hour	YYYY/MM/DD HH:MM:SS
SCOF	J#P0500J03058	minute	minute	Recording Time: minute	YYYY/MM/DD HH:MM:SS
SCOF	J#P0500J03060	second	second	Recording Time: second	YYYY/MM/DD HH:MM:SS
SCOF	J#P0500J03110	Exp_Cntl_Time1	second	Experiment Control Time 1 (*1)	4227
SCOF	J#P0500J03130	Cell_Posn_X_MT14	mm	Cell Position X	-0.25
SCOF	J#P0500J03140	Cell_Posn_Y_MT15	mm	Cell Position Y	2.5
SCOF	J#P0500J03150	Cell_Posn_Z_MT16	mm	Cell Position Z	0.24297
SCOF	J#P0500J03210	Exp_Cntl_Time2	second	Experiment Control Time 2 (*1)	4227
SCOF	J#P0500J04030	Std_TS1	degree C	Temperature of Crystallization Cell	3.268696
SCOF	J#P0500J04040	Std_TS2	degree C	Temperature of Crystallization Cell	3.276998
SCOF	J#P0500J04050	Std_TS3	degree C	Temperature of Nucleation Cell	9.999765
SCOF	J#P0500J04060	Std_TS4	degree C	Temperature inside the Crystallization Cell	3.48059
SCOF	J#P0500J04200	High_TS18	degree C	Accurate temperature of Crystallization Cell	3.349669
SCOF	J#P0500J04210	High_TS19	degree C	Accurate temperature of Crystallization Cell	3.29125

\*1: Experiment Control Time is the time counter of the experiment sequence.

## Acronym

Acronym	Meaning	Remarks
AMT	Amplitude Modulation Transmission Microscope	-
BF	Bright Field Microscope	-
High_TS	High accuracy Thermistor	-
LED	Light-Emitting Diode	-
LD	Laser Diode	-
RT	Room Temperature	-
Std_TS	Standard Thermistor	-
SCOF	Solution Crystallization Observation Facility	-
T <sub>m</sub>	Melting Point	Deuterium Oxide Melting Point: 3.82 degree C