

SOC/Instrument Teams ICDs Status and Schedule

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- Instrument boresight:

The means by which the remote sensing instruments define for the SOC the static boresight to use for pointing for those periods when they are “prime”.

- GFTS transfers:

Used for file transfer between Instrument Teams and the SOC, for example, for Instrument Operations Requests (IORs).

- Selective TM requests:

The means by which an Instrument Team tells the SOC which periods of time they want to downlink from the selective buffer.

SOC/Instrument Teams ICD status



ICD	Ref.	Draft	Issue	Signed
Data Producers to Archive	0002	Jun 2015	Oct 2015	Dec 2015
Instrument Ops Requests (IOR)	0003	Sep 2014	Jun 2015	Sep 2015
Low Latency CDF	0004	1H 2015	Jul 2015	Jul 2015
Low Latency FITS	0005	1H 2015	Jul 2015	Jul 2015
Enhanced FECS (E-FECS)	0006	Jul 2015	Sep 2015	Oct 2015
TM Generation Corridors (TMC)	0007	Jul 2015	Sep 2015	Oct 2015
Instrument Boresight		Sep 2015	Nov 2015	Dec 2015
GFTS transfers		Sep 2015	Nov 2015	Dec 2015
Selective TM Requests		Sep 2015	Nov 2015	Dec 2015

All document in SOC Public area:

<https://issues.cosmos.esa.int/solarorbiterwiki/display/SOSP/>

The schedule included here is the current one being used to drive SGS and SOC development, but is dependent on the Solar Orbiter Project schedule consolidation exercise currently underway. Therefore, it should be used only for informative purposes within the SGS.

SGS assumed schedule – 2015



Date	SGS	Other
2015 Q2	SOC/IT ICDs: <ul style="list-style-type: none">• IOR, E-FECS, TM corridors, LL CDF, LL FITS, DPICD LL first prototypes Data Product Description Templates Preliminary instrument models (proof of concept)	
2015 Q3	SOC/IT ICDs: <ul style="list-style-type: none">• Instrument Boresight, GFTS transfers, Selective TM reqs.	
2015 Q4	Data Product Description (LL) Low Latency pipelines (producing usable LL01 data) Archive User Requirements Doc. All ICDs finalized and signed by end 2015 Instrument models to be used during planning.	

SGS assumed schedule – 2016



Date	SGS	Other
2016 Q1	LTP planning simulation (SOOP kitchen)	
2016 Q2	LL pipelines test items LL data processing and post-processing (to LL02) Data Product Description (Science data) Archive ICDs	
2016 Q3	GFTS server ready	IGST start
2016 Q4		Mission scenarios

SGS assumed schedule - 2017



Date	SGS	Other
2017 Q1	TM generation corridor tools LTP subsystem ready Planning simulation	SVT0
2017 Q2	Functional in-situ LL pipelines Instrument models ready E-FECS tools ready MTP subsystem ready	GSIR
2017 Q3	LTP deliveries for in-situ E2E Low Latency data visualization	SOVTs?
2017 Q4	MTP deliveries for in-situ E2E STP subsystem ready SAP v1 (for Cruise Phase) finished	

SGS assumed schedule - 2018



Date	SGS	Other
2018 Q1	Operational procedures Operational rehearsals start	SVT1 In-situ E2E
2018 Q2	Operational rehearsals	GSRR SVT2
2018 Q3	Archive ready	IGST ends Launch