

Status Processor Formats L1 V9/L2 V7

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Overview		

Overview









Level 1 Format Status

- The general structure of measurement groups etc is implemented
- Incorporation of SOST data was prepared, i.e. the databases with the information are available
- Missing:
 - Implementation of SOST data blocks
 - Implementation of requests



 Level 1 Format
 Level 2 Format
 Further Points

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Level 1 Requests (I)

Request	Comment	Status
Add state ID to cluster (BANDN)		Y
Organisation of Limb data	Put all Limb states in different MODE	Ν
	groups or	
	all Limb states in one mode group	Y
	with state sequence number	
Definition of scan line in Limb	TBD: one TH as scanline?	0
Limb: Add profile counter for	Not possible, # of profiles defined in	Ν
association profile/readout	L2	
Include PMD 40Hz data as extra		Y
variable, not hidden		
Possibilty to calibrate Moon	Could only be added if time is left at	Ν
measurements	the end	
Add geolocation to Moon	as CFI allows	Y
measurements		
Add shortest grid of mirror positions	TBC if possible	0
for moon		
Add all state info		Y

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Level 1 Format	
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Level 1 Requests (II)

Request	Comment	Status
Include for each measurement	TBD: definition how	Y
variable with operational state (OCR,		
nominal)		
Move irradiance from CALIBRATION		Y
-> IRRADIANCE		
Forward/backward scan flag	GOME: uses different mode groups,	Y
Add lunar occultation mode		Y
Add modes for all calibration data		Y
(ADS and GADS)		
Harmonisation of leakage entries	Details TBD	0
(same for other ADS?)		
Store derived polarisation values		Y
Add PET, CoAdd to observation		Y
variables		
Make MPH/SPH entries CF1.6	as far as possible, additional data	Y
standard conform	could go to a SCIA_METADATA group	



Level 1 Requests (III)

Request	Comment	Status
Add orbit state vector from MPH	Where to add is TBD: INSTRUMENT	Y
	or CALIBRATION group	
Add moon phase	If in CFI	Y
Apply polarisation calibration to moon	Could only be added if time is left at	Ν
msm	the end	
Add Moon's semidiameter		Y
Add lit moon area		Y
Introduce flag for corrupt states		Y



Level 2 Format Status

- No updates compared to last sample product, since L2 implementation had higher priority
- S5 adjustements/improvements will be discussed with the person involved in data formats for the Sentinels in our department



	Level 2 Format	
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Level 2 Requests (I)

Request	Comment	Status
Find standard conform way for	as far as possible	Y
MPH/SPH		
Make all variables standard conform	as far as possible	Y
(attributes,)		
Look at S5PL2 and try to conform	Where practical	(Y)
where useful		
Introduce forward/back scan flag		Y
Split of Products	not needed (small data amount)	N
Merge SPH info into species group	Details TBD	Y
Geolocation for each specie		Y
groundpixel		
Review datatypes		Y



	Further Points

Further Points

- The scial1c tool has to be re-written to accept netCDF input and generate netCDF output. This will be done on the basis of the L01 processor
- The input code for scial1c will be used in the L2 processor
- The complete verification/validation will be done with the *old format* as agreed
- ullet \to scial1c will be done after verification
- The L2 will be converted as a postprocessing step after all retrievals are applied

