

Changes from file keys CH_*_V010? to CH_*_V0200 - pipeline version 13.0.0

Last update:	08 Jan. 2021					
File key	Type	Data Structure	Column / Keyword	Description	redmine ticket	Comment
CH_*_V0200	Bugfix	Multiple	{RA, DEC}_TARG	Attitude keywords in the headers are now calculated at the epoch J2000. Attitude values in table columns are now calculated at the epoch of the observation.		
	Bugfix	Multiple	T_EFF	The effective temperature as provided by the PI is propagated to the FITS headers. T_EFF can be queried via the archive browser interface.		
	Bugfix	Multiple	SPECTYPE	The archive browser interface does not support queries for spectral types anymore.		
	Bugfix	Multiple	MAG_*	We now provide target magnitudes in the Gaia-bandpass, MAG_G and MAG_GERR, and the CHEOPS-bandpass, MAG_CHPS and MAG_CERR. MAG_G can be queried via the archive browser interface. We do not provide target magnitudes in V-bandpass anymore.		
	New	SCI_*_ImageMetadata	LOS_TO_EARTH_ANGLE, LATITUDE and LONGITUDE.	We now do provide the angle between the instrument's LOS and the Earth Limb, the latitude and longitude of the spacecraft.		
	Bugfix	SCI_RAW_Subarray, SCI_RAW_Imagette	pixel values	When the ADC over-saturates the pixel values are now set to 0xfffff as in the case of simple saturation/	#21478	

Known problems in file keys CH*_V0200 - pipeline version 13.0.0

Last update:	08 Jan. 2021					
File key	Type [1]	Data Structure	Column / Keyword	Description	redmine ticket	Comment
CH*_V0200	Onboard Software	SCI_RAW_UnstackedImageMetadata	PHOTOMETRY_{1,2,3}	The onboard photometry was enabled on 2020-09-13 05:41:31, the first visit is PR100002_TG015505. However, the onboard software has a bug and values are incorrect. Affected columns: PHOTOMETRY_{1,2,3} in SCI_RAW_UnstackedImageMetadata. This requires an update of the instrument onboard software. The problem cannot be corrected by reprocessing.	#22380	

Known problems in file keys CH_*_V010? - pipeline version 12

File key	Type [1]	Data Structure	Column (c:)/ Keyword (k:)	Description	redmine ticket	Comment
CH_*_V010*	Ground Software	Multiple	k::{RA, DEC}_TARG	Attitude information is only available at the epoch of the observation. Queries in the archive browser interface are not reliable.		
	Ground Software	Multiple	k::MAG_V	Magnitudes are provided the Gaia-bandpass instead of V-bandpass		
	Ground Software	Multiple	k::SPECTYPE	The spectral type information is most of the time 'Other'. Queries in the archive browser interface are not reliable.		
	Onboard Software	SCI_RAW_UnstackedImageMetadata	c::PHOTOMETRY_{1,2,3}	The onboard photometry was enabled on 2020-09-13 05:41:31, the first visit is PR100002_TG015505. However, the onboard software has a bug and values are incorrect. Affected columns: c::PHOTOMETRY_{1,2,3} in SCI_RAW_UnstackedImageMetadata. This requires an update of the instrument onboard software. The problem cannot be corrected by reprocessing.	#22380	
	Ground Software	SCI_RAW_ImageMetadata	c::Multiple	If c::HK_SOURCE is set to 'science tm', the data in columns from CE_VOLT_FEE_VOD through to CE_thermFront_4 are unreliable. They should not be used for decorrelation.	#21868	Pending technical verification
	Ground Software	SCI_COR_LightCurve	c::FLUX, cc:BACKGROUND, c::CONTA_LC	The DRP applies the bias offset valid for a CCD temperature of -40 degree centigrade also for data that was observed with a CCD temperature of -45 and -50 degree centigrade. Note: for routine operations the nominal CCD temperature is -45 degree centigrade.	#23224	
	Ground Software	SCI_RAW_Subarray, SCI_RAW_Imagette	pixel values	When the ADC oversaturates the pixel values are incorrectly set to 0	#21478	