

## Distributed seismo data

Run	co-ls version	Corrections
IRa01	1.0	Cross-talk corrections using ground-measured patterns The correction of the offsets and of the Backgrounds are improved from these on-board Rough jitter correction : the line of sight is continuous by segments
LRc01 ; SRc01	1.1 ; 1.2	PSF are computed with better parameters Gain is correctly taken into account (the gain is different for each half-CCD)
LRa01 ; SRa01	1.3 ; 1.4	The values of the different gains on different half CCD is taken into account on every different product Better jitter correction : the excursion is computed continually on the whole run
SRc02 ; SRa02 ; LRa02	1.8	Correction of the discontinuity caused by the breakdown of DPU1, also on the datation of the data Warning on the data where the jitter excursion can't corrected ; in this case, the value is interpolated Correction of minor bugs on the STATUS word (valid/invalid data)
LRc02 ; LRc03 ; LRc04	1.9 ; 2.1	Incorporation of the flag for inbound and outbound of the earth eclipses
LRa03 ; SRa03 ; LRc05 ; LRc06 ; SRa05	3.0	SAA and earth eclipses flags are coherent between N1 and N2 pipe-lines Only positive impacts are marked (instead of positive and negative) <b>The effect of the diminution of the quantum efficiency is corrected</b>
LRa05 ; LRc07 ; LRc08 ; SRa04 LRa04 : LRa06 ; LRc09	3.1 ; 3.2 3.3	<b>New jitter correction : the relativistic aberration is taken into account through the variation of the focal of the telescope</b> The changes of the temperatures of the CCDs are corrected

## Distributed exo data from on-board lightcurves (EN2\_STAR)

Run	co-ls version	Corrections
Older versions, not to be used any more	1.1	Cross-talk corrections, offset subtraction, backgrounds subtraction. Very rough jitter correction on chromatic light-curves No jitter corrections on mono-chromatic light-curves
	1.2 1.3	Gain is correctly taken into account (the gain is different for each half-CCD) Lacking information is added in the headers of the file
	1.4	Incorporation of the flag for inbound and outbound of the earth eclipses Correction of the discontinuity caused by the breakdown of DPU1
	2.0	<b>White Flux is computed on CHROMatic light curves by adding the 3 “colors”</b> <b>New calculation of the line of sight based on the computation of the PSF</b>
IRa01 LRc01 SRc01 LRa01 SRa01 SRc02 SRa02 LRa02 LRc02 LRc03	2.1 2.1b	SAA and earth eclipses flags are coherent between N1 and N2 pipe-lines Only positive impacts are marked (instead of positive and negative)
LRc04 LRa03 SRa03 LRc05 LRa05 LRc07 LRa04 LRc06 LRc09	2.2	Better PSF determination due to hot pixel elimination before calculation
SRa05 SRa04 LRc08	3.0	<b>New jitter correction : the relativistic aberration is taken into account through the variation of the focal of the telescope</b>
LRa06 SRc03	3.1	The correction of the jumps of the CCD temperature is applied after the correction of the loss of global efficiency.

## Distributed exo data from on-board imagettes (EN2\_STAR\_IMAG)

Run	co-Is version	Corrections
IRa01 SRc01 LRa01 LRc02 LRa02	1.0 1.0b 1.1	Calculation of light curves from on board imagettes. The cross-talk is corrected, the offset subtracted, as well as the background. The algorithm is based on the determination of a significant mask The reconstruction is performed using the LOS.
LRc01 SRa01 SRc02 SRa02 LRc03 LRc04 LRa03 SRa03 LRc05 LRc06 LRa04 LRa05 LRc07 SRc03 LRc08 SRa04 SRa05 LRa06	1.2	Improvements of the STATUS word and of the position of the orbital events Information in WINDESCRIPTORs are read directly from Ecocat via aweb service
LRc09	2.0	<b>Major change : the centroid of the spread image is calculated and its coordinates are given in two new columns</b> Improved corrections of the jitter The jumps of the CCD temperature are corrected ; their date and the quality of each correction is given in the primary header. The global loss of efficiency is corrected (TBC) The number of pixels of the reconstructed colours contain are integers
	2.1	To be implemented : better background corrections including the level of the dark current according to the position of the star