

Table of DECam Pipeline Versions

The table below shows NOAO DECam pipeline versions (PL), their associated CP versions from DESDM (CP), the date the pipeline was first deployed, and the changes in that version.

PL Version	CP Version	Date	Changes
1.10	2.2.1	07/26/13	Previously bit 8 was set in resampled data to denote cosmic rays for all flagged pixels. Changed to use bit 5 for cosmic rays, bit 8 for flagged pixels
2.10	2.2.2	08/21/13	Delta subtraction of pupil pattern for [zgi]. New filetype for pupil pattern (puppat) Bug in tilefinder applied various cuts on each CCD independently. Possible for some CCDs to be left out. Workaround to set cuts to very low thresholds. If cuts in TileFinder algorithm are not right, possible for some remapped CCDs to be missing
2.11	2.2.2	08/23/13	New keywords FILENAME, PLFNAME, PLDNAME for archive
2.2.0	2.2.2	08/28/13	Stacking pipeline to use IRAF instead of CP/Swarp
2.3.2	2.2.2	09/10/13	Fixed bug with stacking scaling
2.4.1	2.2.3	09/20/13	New cp distribution, changes to thresholds for cosmic ray masking
2.4.2	2.2.3	09/25/13	Use cp version 223 with cp 222 DECam_crosstalk
2.4.4	2.2.3	10/21/13	New pupil and illumination correction, use DECam_crosstalk for cp 223, pattern subtractions for [gz]
2.4.5	2.2.3	11/06/13	Trim now a configuration parameter, default is 1 pixel on each edge. Illumination correction files are smoothed to reduce potential for seeing cells bleeding through
2.5.0	2.2.3	11/13/13	Changes to propagate diff detections to InstCal files
3.0.0	2.2.3	12/12/13	Add illumination corrections on top of star flat calibration, better sky subtraction
3.1.1	2.2.3	04/07/14	Use CP 2.2.4 version of mkbleedmask with a dilation value of 5 with version 2.2.3
3.1.2	2.2.3	08/15/14	Add MAGZPT keyword for zero point normalized to 1 sec, PHOTREF keyword for photometric catalog
3.2.0	2.2.3	08/27/14	New filter-dependent WCS distortion calibrations from Nov 2013 used
3.3.0	2.2.3	09/03/14	New calibrations: bpm, starflat, fringeore, wcs, if data overlap PS1 computer zero point from that source
3.3.0	2.2.3	09/11/14	USNO calibration different in that previous transformation from J/F/N to g/r/l was wrong

3.4.0	2.2.3	10/18/13	Resampling changed from Swarp to MCSImage. Improvement in skysub for better background
3.5.0	2.2.3	10/28/14	Bad pixel mask values changed, no longer bit mask values
3.5.3	2.2.3	12/05/14	Streak masking added
3.6.2	2.2.3	04/02/15	New keywords: CENTRA, CENTDEC, CORNRAn, CORNDECn, CENRA1, CENDEC1, COR1RAn, COR1DECn added
3.7.0	2.2.3	05/12/15	Sky subtraction fitting changed to eliminate artifacts, e.g., when strong moon