

MIPS BCD header keywords, as of S13 (January 2006)			
Type	Keyword	Notes or comments	band
double	A_0_2	distortion coefficient	all
double	A_0_3	distortion coefficient	all
double	A_1_1	distortion coefficient	all
double	A_1_2	distortion coefficient	all
double	A_2_0	distortion coefficient	all
double	A_2_1	distortion coefficient	all
double	A_3_0	distortion coefficient	all
double	A_DMAX	[pixel] maximum correction	all
integer	A_ORDER	polynomial order, axis 1, detector to sky	all
integer	A24HTCMD	MIPS D24 Heater Enable Commanded State	24
integer	A24HTDAC	D24 Heater DAC Load Value	24
integer	A24HTMEN	D24 Heater Monitor Enable Status	24
double	ABASET70	[Deg_K] 70u FPA Cold Plate	70
double	ABASET70	[Deg_K] 70u FPA Cold Plate	70sed
integer	ABASTMCR	Coarse Component of CE Base Time	all
integer	ABASTMFN	Fine Component of CE Base Time	all
float	ACEBOXTM	[Deg_C] CE Box Temp	all
integer	ACREJCNT	Command Reject Counter	70sed
integer	ACREJCNT	Command Reject Counter	all
float	ACSMMTMP	[Deg_K] CSMM Base Temp	all
integer	ACTUALN	Actual number inputs in ensemble	24
double	AD160BSE	[Deg_K] 160u FPA Cold Plate	160
double	AD160STM	[Deg_K] 160u Stimulator Temp	160
double	AD160TMA	[Deg_K] 160u Detector Temp A	160
double	AD160TMB	[Deg_K] 160u Detector Temp B	160
float	AD24ANLI	[uAmps]	24
integer	AD24ANLS	MIPS D24 Anneal Status	24
float	AD24HTRI	[uAmps]	24
integer	AD24PWEN	Det 24u Power Enable Commanded State	24
integer	AD24PWRS	Det 24u Power Enable Status	24
integer	AD24SITM	Det 24u Temperature Sensor Status	24
integer	AD24STMC	Det 24u Stimulator Enable Commanded State	24
float	AD24STMI	[uAmps]	24
float	AD24TMPA	[Deg_K]	24
float	AD24TMPB	[Deg_K]	24
integer	AD24TMSE	Det 24u Temperature Sensor Commanded State	24
float	AD70BRDT	[Deg_C] MIPS 70 Micron Board Temp	70
float	AD70BRDT	[Deg_C] MIPS 70 Micron Board Temp	70sed
double	AD70JNCT	[Deg_K] 70u FPA Junction Temp	70
double	AD70JNCT	[Deg_K] 70u FPA Junction Temp	70sed
double	AD70TMPA	[Deg_K] 70u Detector Temp A	70
double	AD70TMPA	[Deg_K] 70u Detector Temp A	70sed
double	AD70TMPB	[Deg_K] 70u Detector Temp B	70
double	AD70TMPB	[Deg_K] 70u Detector Temp B	70sed
integer	AFIFOBAD	Science Data FIFO Bad Half Full Interrupts	70sed
integer	AFIFOBAD	Science Data FIFO Bad Half Full Interrupts	all
integer	AFSWMINV	CE Flight Software Minor Version Number	all
integer	AFSWMJRV	CE Flight Software Major Version Number	all
integer	AIRSPCNT	Invalid Response Count	70sed
integer	AIRSPCNT	Invalid Response Count	all
double	AJNCT160	[Deg_K] 160u FPA Junction Temp	160
integer	ALIMVCNT	Limit Violation Counter	70sed
integer	ALIMVCNT	Limit Violation Counter	all
integer	ALSTERLD	Last Error Id	70sed
integer	ALSTERLD	Last Error Id	all
integer	ALSTERPM	Last Error Parameter	70sed
integer	ALSTERPM	Last Error Parameter	all
integer	ANCALCYC	DCEs completed in Calibration Cycle	70sed
integer	ANCALCYC	DCEs completed in Calibration Cycle	all
double	ANCSMCUR	[uAmps] CSMM Current	70sed

double	ANCSMCUR	[uAmps] CSMM Current	all
integer	ANCSMDIR	CSMM Ramp Dir: 0=negative=forward, 1=positive=reverse	all
double	ANCSMGN	CSMM Gain Adjustment DAC	all
double	ANCSMPS1	[DAC] CSMM Scanpos1 Command	all
double	ANCSMPS2	[DAC] CSMM Scanpos2 Command	all
double	ANCSMRP1	[DAC] CSMM Relpos1 Command	all
double	ANCSMRP2	[DAC] CSMM Relpos2 Command	all
double	ANCSMSTP	[DAC] Scan Offset per DCE Step Size Command	70
double	ANCSMSTP	[DAC] Scan Offset per DCE Step Size Command	160
double	ANCSMSTP	[DAC] Scan Offset per DCE Step Size Command	70sed
double	ANCSMSTP	[DAC] CSMM Scanoffset Command	all
integer	ANHTGEFC	HTG Frames In Exposure Counter	all
integer	ANHTR_70	Det 70u Anneal Heater Enable	70
integer	ANHTR_70	Det 70u Anneal Heater Enable	70sed
integer	ANHTR160	Det 160u Anneal Heater Enable	160
integer	ANIMCYFC	Frames per Image Cycle Commanded	all
float	ANNLTIME	Actual time since the last anneal	70
float	ANNLTIME	Actual time since the last anneal	160
float	ANNLTIME	Actual time since the last anneal	70sed
long	AORKEY	AOR or IER key. Unique identifier for Astronomical Observation Request or Instrument Engineering Request in SSC databases	all
string	AORLABEL	AOR Label (Observer-defined)	all
string	AOT_TYPE	Observation Template Type (phot, scan, sed, etc)	all
double	AP_0_1	distortion coefficient	all
double	AP_0_2	distortion coefficient	all
double	AP_0_3	distortion coefficient	all
double	AP_1_0	distortion coefficient	all
double	AP_1_1	distortion coefficient	all
double	AP_1_2	distortion coefficient	all
double	AP_2_0	distortion coefficient	all
double	AP_2_1	distortion coefficient	all
double	AP_3_0	distortion coefficient	all
integer	AP_ORDER	polynomial order, axis 1, sky to detector	all
float	APROFF1V	[Volts]	24
float	APROFF2V	[Volts]	24
float	APROFF3V	[Volts]	24
float	APROFF4V	[Volts]	24
integer	ASDMGRFA	SDM Groups Not Accepted By CDH	70sed
integer	ASDMGRFA	SDM Groups Not Accepted By CDH	all
integer	ATOTALER	Total Errors Posted Count	70sed
integer	ATOTALER	Total Errors Posted Count	all
float	AVDSUBV	[Volts] VD Sub Voltage	all
double	B_0_2	distortion coefficient	all
double	B_0_3	distortion coefficient	all
double	B_1_1	distortion coefficient	all
double	B_1_2	distortion coefficient	all
double	B_2_0	distortion coefficient	all
double	B_2_1	distortion coefficient	all
double	B_3_0	distortion coefficient	all
double	B_DMAX	[pixel] maximum correction	all
integer	B_ORDER	polynomial order, axis 2, detector to sky	all
double	BIGOMEGA	[deg] Long. of ascending node with respect to ecliptic	all
integer	BITPIX	-32 = 4-Byte float, 16 = 2-Byte integer	all
logical	BOOSTFRM	True (T) if DCE with bias boost	24
double	BP_0_1	distortion coefficient	all
double	BP_0_2	distortion coefficient	all
double	BP_0_3	distortion coefficient	all
double	BP_1_0	distortion coefficient	all
double	BP_1_1	distortion coefficient	all
double	BP_1_2	distortion coefficient	all

double	BP_2_0	distortion coefficient	all
double	BP_2_1	distortion coefficient	all
double	BP_3_0	distortion coefficient	all
integer	BP_ORDER	polynomial order, axis 2, sky to detector	all
double	BRD_T_70	[Deg_C] Det 70u Control Board Temp	70
double	BRD_T_70	[Deg_C] Det 70u Control Board Temp	70sed
double	BRD_T160	[Deg_C] Det 160u Control Board Temp	160
string	BUNIT	Units of image data	all
string	CALBUNIT	Units for which calibration data applies	24
integer	CALID	CalTrans Version ID	all
string	CAMPAIGN	Campaign	all
double	CD1_1	[deg/pix] CD matrix element 1_1	all
double	CD1_2	[deg/pix] CD matrix element 1_2	all
double	CD11RFND	[deg/pix] Refined CD matrix element 1_1 (S12)	24scan
double	CD11RFND	[deg/pix] Refined CD matrix element 1_2 (S12)	24scan
double	CD11RFND	[deg/pix] Refined CD matrix element 2_1 (S12)	24scan
double	CD11RFND	[deg/pix] Refined CD matrix element 2_2 (S12)	24scan
double	CD2_1	[deg/pix] CD matrix element 2_1	all
double	CD2_2	[deg/pix] CD matrix element 2_2	all
double	CDELTA1	[deg/px] Scale for axis 1 at CRPIX1, CRPIX2	70sed
double	CDELTA2	[micron/px] Scale for axis 2 at CRPIX1, CRPIX2	70sed
integer	CE_SIDE	Common Electronics Side (1=A, 2=B)	all
integer	CHNLNUM	This image: 1=24um, 2=70um, 3=160um	all
string	CHOPDIST	[arcmin] Chop distance	70
string	CHOPDIST	[arcmin] Chop distance	160
string	CHOPDIST	[arcmin] Chop distance	70sed
double	CIB_EST	Cosmic IR Background estimate	all
integer	CLPOSNUM	Current cluster position	all
integer	CMD_DCES	Number of DCEs in Exposure	all
float	CMD_T_24	[Deg_K]	24
integer	COADD	Ge coadd parameter	70
integer	COADD	Ge coadd parameter	160
integer	COADD	Ge coadd parameter	70sed
string	COLSTEP	SED map column step	70sed
integer	COLUMN	Current column number	all
string	CPT_VER	Channel Parameter Table FOS version	all
double	CRDER1	[deg] Uncertainty in CRVAL1	all
double	CRDER2	[deg] Uncertainty in CRVAL2	all
string	CREATOR0	SW system that created raw-FITS file	all
double	CROTA2	[deg] Rotation of dispersion direction from axis 2	70sed
float	CRPIX1	Reference pixel along axis 1	all
float	CRPIX2	Reference pixel along axis 2	all
integer	CRSESYNC	[Sec] Mirror Sync Pulse Coarse Time	all
double	CRVAL1	[deg] Slit reference position	70sed
double	CRVAL1	[deg] RA at CRPIX1,CRPIX2 averaged over DCE	all
double	CRVAL2	[micron] Slit reference position	70sed
double	CRVAL2	[deg] DEC at CRPIX1,CRPIX2 averaged over DCE	all
double	CSDRADEC	[deg] Costandard deviation in RA and Dec	all
double	CSDXCYC	[pix] Co-standard deviation in ref. CRPIX1,2 (S12)	24scan
float	CSM_AVG	[degree] Average mirror position during exposure	24
integer	CSM_MOD	CSMM Mode: 0=Chop,1=Ramp	all
double	CSM_OFFS	[arcsec] CSMM Position Offset DAC Output	all
integer	CSM_OOLC	CSMM Out Of Limits Count	all
integer	CSM_PIDX	Scan Position Index	all
double	CSM_POS	[DAC] CSMM Position Output	70sed
double	CSM_POS	[DAC] CSMM Position Output	all
double	CSM_POSC	[DAC] CSMM Coarse Position DAC	70sed
double	CSM_POSC	[DAC] CSMM Coarse Position DAC	all
double	CSM_POSF	[DAC] CSMM Fine Position DAC	70sed
double	CSM_POSF	[DAC] CSMM Fine Position DAC	all
float	CSM_PRED	Predicted mirror start pos (DAC)	all
float	CSM_RATE	Mirror scan rate (milli-arcsec/sec)	24

float	CSM_SKY	Predicted mirror start pos on sky (arcsec)	all
double	CSM_SLP	[DAC/s] CSMM Ramp Slope Command	all
double	CSRDRFND	[deg] Co-standard deviation in refined RA, Dec (S12)	24scan
string	CSTEP160	[arcsec] MIPS-160 raster map col. step size	all
string	CSTEP24	[arcsec] MIPS-24 raster map column step size	all
string	CSTEP70	[arcsec] MIPS-70 raster map col. step size	all
double	CT2RFND	[deg] Refined CROTA2 (S12)	24scan
string	CTD_VER	Commanded telemetry data version	all
string	CTYPE1	Coordinate type along axis 1	70sed
string	CTYPE1	RA---TAN with distortion in pixel space	all
string	CTYPE2	Coordinate type along axis 2	70sed
string	CTYPE2	DEC--TAN with distortion in pixel space	all
string	CUNIT1	Coordinate units for axis 1	70sed
string	CUNIT2	Coordinate units for axis 2	70sed
integer	CYCLENUM	Current cycle number	all
integer	D24EXPDC	D24 DCEs in Exposure Counter	24
integer	D24FRAME	Total D24 Frame Count	24
string	DATE	[YYYY-MM-DDThh:mm:ss UTC] file creation date	all
string	DATE_OBS	Date & time at DCE start	all
integer	DCE_CALC	DCEs per Calibration Cycle Command	all
integer	DCE_FRMS	[Fr/DCE] Ge frames per DCE command	all
integer	DCE_NUM	DCEs in Observation Counter	70
integer	DCE_NUM	DCEs in Observation Counter	160
integer	DCE_NUM	DCEs in Observation Counter	70sed
integer	DCEID	Data Collection Event ID	all
integer	DCEINSID	DCE Instance ID	all
integer	DCENUM	DCE number (0-9999)	all
string	DEC_DMS	[dd:mm:ss] CRVAL2 as sexagesimal	all
double	DEC_REF	[deg] Commanded Dec (J2000) of ref. position	all
double	DEC_RQST	[deg] Requested Dec at CRPIX2	all
double	DEC_SLT	[deg] DEC at slit center	70sed
double	DECRESID	[arcsec] Residual: Observed-refined Dec (S12)	24scan
double	DECRFND	[deg] Refined Dec (S12)	24scan
float	DELTA160	[arcsec] Distance to sky reference position	all
float	DELTA24	[arcsec] Distance to sky reference position	all
float	DELTA70	[arcsec] Distance to sky ref. position	all
integer	DISPAXIS	Dispersion axis	70sed
integer	DPID	Data Product Instance ID	all
string	DS_ADSID	Data Set Identification for ADS/journals	24
float	ECCENTR	Eccentricity	all
double	EDECRFND	[deg] Error in refined Dec (S12)	24scan
double	EPA_RFND	[deg] Error in refined PA or CROTA2 (S12)	24scan
string	EPHMFIL	Ephemeris file used for moving target	all
integer	EPID	Ensemble Product ID	24
integer	EPIDDARK	Dark ensemble product ID	70sed
string	EPIDDARK	Dark ensemble product ID	all
string	EPIDFLAT	Flat ensemble product ID	24
integer	EPIDFLUX	Jansky conversion value fall back product ID	70
integer	EPIDFLUX	Jansky conversion value fall back product ID	160
integer	EPIDFLUX	Jansky conversion value fall back product ID	70sed
integer	EPIDILC	IC ensemble product ID	70
integer	EPIDILC	IC ensemble product ID	160
integer	EPIDILC	IC ensemble product ID	70sed
string	EPIDNONL	Non-linearity ensemble product ID	24
integer	EPIDRNO	Readnoise ensemble product ID	70
integer	EPIDRNO	Readnoise ensemble product ID	160
integer	EPIDRNO	Readnoise ensemble product ID	70sed
string	EPIDROWF	Row-flux correction ensemble product ID	24
integer	EPIDSTLT	Stimlatent cal file fall back product ID	70
integer	EPIDSTLT	Stimlatent cal file fall back product ID	160
integer	EPIDSTLT	Stimlatent cal file fall back product ID	70sed
integer	EPVERSN	Ensemble Product Version	24

float	EQUINOX	Equinox for ICRS celestial coordinate system	all
double	ERARFND	[deg] Error in refined RA (S12)	24scan
double	EXCRESID	[pix] Uncertainty in correction for CRPIX1 (S12)	24scan
logical	EXPDFLAG	(T/F) expedited DCE	all
integer	EXPECTN	Expected number inputs for ensemble	24
integer	EXPID	Exposure ID (0-9999)	all
integer	EXPIMGCY	Image Cycles in Exposure Counter	all
float	EXPTIME	[sec] Effective integration time per pixel	all
string	EXPTYPE	Exposure Type	all
double	EYCRESID	[pix] Uncertainty in correction for CRPIX2 (S12)	24scan
logical	FASTRES	160 micron fast reset (T/F)	all
integer	FBIDDARK	Dark fall-back product ID	70sed
string	FBIDDARK	Dark fallback product ID	all
string	FBIDDNT	DN-to-Flux single file fallback ID	24
string	FBIDDNT1	DN-to-Flux interpolation file 1 fallback ID	24
string	FBIDDNT2	DN-to-Flux interpolation file 2 fallback ID	24
integer	FBIDENL	Electronic Non-linearity fall-back product ID	70
integer	FBIDENL	Electronic Non-linearity fall-back product ID	160
integer	FBIDENL	Electronic Non-linearity fall-back product ID	70sed
integer	FBIDENL	Saturation Cal file fall back id	70
integer	FBIDENL	Saturation Cal file fall back id	160
integer	FBIDENL	Saturation Cal file fall back id	70sed
string	FBIDFLAT	Flat fallback product ID	24
integer	FBIDILC	IC fall-back product ID	70
integer	FBIDILC	IC fall-back product ID	160
integer	FBIDILC	IC fall-back product ID	70sed
string	FBIDNONL	Non-linearity fallback product ID	24
integer	FBIDPMSK	Pixel-mask fall-back product ID	70
integer	FBIDPMSK	Pixel-mask fall-back product ID	70
integer	FBIDPMSK	Pixel-mask fall-back product ID	160
integer	FBIDPMSK	Pixel-mask fall-back product ID	160
integer	FBIDPMSK	Pixel-mask fall-back product ID	70sed
integer	FBIDPMSK	Pixel-mask fall-back product ID	70sed
string	FBIDPMSK	Pixel-mask fallback product ID	24
string	FBIDROWF	Row-flux correction fallback product ID	24
integer	FILE_VER	Version of the raw file made by SIS	all
string	FILETYPE	Image type	all
logical	FINESCAL	Image scale (T= fine, F=default)	all
double	FINESYNC	[1/65535 Sec] Mirror Sync Pulse Fine Time	all
float	FLUXCONV	Flux conversion factor (DN/s to BUNIT)	all
integer	FOVID	Field of View ID (see table xx in SOM v.3.0)	all
string	FOVNAME	Field of View Name	all
integer	FRMFLYBK	[Frames] CSMM Flyback duration in data frames	all
float	GAIN	e/DN conversion	24
integer	GROUPECNT	MIPS Group Count Per DCE	all
integer	GROUPIX	MIPS Exp. Manager Index for Next SDM Group	all
float	GRPARVTC	[Sec] Coarse Spacecraft Group Time	all
float	GRPARVTF	[Sec] Fine Spacecraft Group Time	all
integer	HSPLSTMC	MIPS Scan Mirror Pulse Timestamp Coarse	all
integer	HSPLSTMF	MIPS Scan Mirror Pulse Timestamp Fine	all
double	IANNL_70	[mAmps] Det 70u Anneal Heater Current DAC	70
double	IANNL_70	[mAmps] Det 70u Anneal Heater Current DAC	70sed
double	IANNL160	[mAmps] Det 160u Anneal Heater Current DAC	160
double	IDUCA_70	[uAmps] Det 70u Unit Cell Drain Current A-half	70
double	IDUCA_70	[uAmps] Det 70u Unit Cell Drain Current A-half	70sed
double	IDUCB_70	[uAmps] Det 70u Unit Cell Drain Current B-half	70
double	IDUCB_70	[uAmps] Det 70u Unit Cell Drain Current B-half	70sed
double	IDUCB160	[uAmps] Det 160u Unit Cell Drain Current B-half	160
double	IDUCD160	[uAmps] Det 160u Unit Cell Drain Current A-half	160
integer	IGN_FRM1	Initial frames ignored for DCENUM = 0	24
integer	IGN_FRM2	Initial frames ignored for DCENUM > 0	24
integer	IMGCYCLC	Total Image Cycles Since HTG Ready	all

float	INCLINAT	[deg] Inclination of orbit	all
integer	INDEG	Degree for STIM Interpolation	70
integer	INDEG	Degree for STIM Interpolation	160
integer	INDEG	Degree for STIM Interpolation	70sed
integer	INSCNOFF	[arcsec] In-scan offset	all
string	INSTRUME	Spitzer Space Telescope instrument ID	all
double	ISM_EST	Interstellar Medium estimate	all
double	ISTIM_70	[uAmps] Det 70u Stimulator Current DAC	70
double	ISTIM_70	[uAmps] Det 70u Stimulator Current DAC	70sed
double	ISTIM160	[uAmps] Det 160u Stimulator Current DAC	160
logical	LARGE160	MIPS-160 Field Size; T=large, F=small	all
logical	LARGE24	MIPS-24 Field Size; T=large, F=small	all
logical	LARGE70	MIPS-70 Field Size; T=large, F=small	all
double	LITOMEGA	[deg] Argument of perihelion with respect to ecliptic	all
logical	MANCPKT	T if this FITS is Missing Ancillary Data	all
integer	MAPNUM	Current map cycle number	all
integer	MCYCLE160	Number of MIPS-160 raster map cycles	all
integer	MCYCLE24	Number of MIPS-24 raster map cycles	all
integer	MCYCLE70	Number of MIPS-70 raster map cycles	all
float	MEDFLTIN	Median Filter width in pixels	70
float	MEDFLTIN	Median Filter width in pixels	160
float	MEDFLTIN	Median Filter width in pixels	70sed
integer	MISS_LCT	Total Missed Line CounT in this FITS	all
logical	MISSDATA	T if this FITS is Missing Image Data	all
double	MJD_OBS	[days] MJD at DCE start (JD-2400000.05)	all
string	MTEPOCH	[Julian date] Epoch	all
integer	NAIFID	NAIF ID number for target	all
string	NAIFNAME	Solar System Object name	all
integer	NASTROM	number of astrometric sources for absolute refinement (S12)	24scan
integer	NAXIS	Standard FITS format	all
integer	NAXIS1	FITS standard	all
integer	NAXIS2	FITS standard	all
integer	NAXIS3	FITS standard	all
integer	NCOLS	Number of SED map columns	70sed
integer	NCOLS160	Number of MIPS-160 columns in raster map	all
integer	NCOLS24	Number of MIPS-24 columns in raster map	all
integer	NCOLS70	Number of MIPS-70 columns in raster map	all
integer	NCY160TP	Number of 160 micron cycles	all
integer	NCY24TP	Number of 24 micron cycles	all
integer	NCY70TP	Number of 70 micron cycles	all
integer	NCYCL160	Number of MIPS-160 photometry cycles	all
integer	NCYCL24	Number of MIPS-24 photometry cycles	all
integer	NCYCL70	Number of MIPS-70 photometry cycles	all
integer	NCYCLES	Number of SED cycles	70sed
integer	NMAPCYCL	Number of Scan Map Cycles	all
integer	NROWS	Number of SED map rows	70sed
integer	NROWS160	Number of MIPS-160 rows in raster map	all
integer	NROWS24	Number of MIPS-24 rows in raster map	all
integer	NROWS70	Number of MIPS-70 rows in raster map	all
integer	NSCANLEG	Number of scan legs	all
string	OBJECT	Object Name	all
string	OBJTYPE	Object Type	all
string	OBSRVR	Observer Name (Last, First)	all
integer	OBSRVRID	Observer ID of Principal Investigator	all
string	ORIGIN0	Site where raw-FITS file was written	all
double	PA	[deg] pos. angle of axis 2 (E of N, +=CCW)	all
double	PA_RESID	[arcsec] Residual: Observed-refined PA (S12)	24scan
double	PA_RFND	[deg] Refined PA (= -CROTA2_refined) (S12)	24scan
double	PA_RQST	[deg] Requested position angle of TPF Z axis (E of N)	all
double	PA_SLT	[deg] PA at slit center averaged	70sed
integer	PAONUM	PAO Number	all

double	PERIHEL1	[AU] Perihelion distance	all
integer	PIPE_ID1	Pipeline Script ID	70
integer	PIPE_ID1	Pipeline Script ID	160
integer	PIPE_ID2	Pipeline Script ID	70
integer	PIPE_ID2	Pipeline Script ID	160
integer	PIPE_ID3	Pipeline Script ID	70
integer	PIPE_ID3	Pipeline Script ID	160
integer	PIPE_ID4	Pipeline Script ID	70
integer	PIPE_ID4	Pipeline Script ID	160
integer	PIPE_ID5	Pipeline Script ID	70
integer	PIPE_ID5	Pipeline Script ID	160
integer	PIPENUM	Pipeline Script Number	all
integer	PLSCRPID	Pipeline Script ID	all
integer	PLVID	Pipeline Version ID	all
float	PM_DEC	[arcsec/yr] Proper Motion in Dec (J2000)	all
float	PM_RA	[arcsec/yr] Proper Motion in RA (J2000)	all
integer	PRIMEARR	Was this image taken with the prime array? 1=prime,2=not prime,3=not valid	all
integer	PROCYCL	Proposal Cycle	all
integer	PROGCAT	Program Category	all
integer	PROGID	Program ID	all
string	PROTITLE	Program Title	all
double	PTGDIFF	[arcsec] offset between actual and requested pointing	all
double	PTGDIFFX	[arcsec] requested - actual pointing along axis 1 (S12)	all
double	PTGDIFFY	[arcsec] requested - actual pointing along axis 2 (S12)	all
double	PXSCAL1	[arcsec/pix] Scale for axis 1 at CRPIX1,CRPIX2	all
double	PXSCAL2	[arcsec/pix] Scale for axis 2 at CRPIX1,CRPIX2	all
string	RA_HMS	[hh:mm:ss.s] CRVAL1 as sexagesimal	all
double	RA_REF	[deg] Commanded RA (J2000) of ref. position	all
double	RA_RQST	[deg] Requested RA at CRPIX1	all
double	RA_SLT	[deg] RA at slit center averaged	70sed
string	RADESYS	International Celestial Reference System	all
double	RARESID	[arcsec] Residual: Observed-refined RA (S12)	24scan
double	RARFND	[deg] Refined RA (S12)	24scan
string	RAWDATE	SIS file creation date	all
string	RAWFILE	Raw data file name	all
string	RDOUTMOD	Readout mode	all
logical	REQ160	160 micron data required (T/F)	all
string	REQTYPE	Request type (AOR, IER, or SER)	all
double	RFNDFLAG	T if pointing was actually refined (S12)	24scan
logical	RMAP160	MIPS-160 Raster Map (T/F)	all
logical	RMAP24	MIPS-24 Raster Map (T/F)	all
logical	RMAP70	MIPS-70 Raster Map (T/F)	all
double	RMS_JIT	[arcsec] RMS jitter during DCE	all
double	RMS_JITY	[arcsec] RMS jitter during DCE along Y	all
double	RMS_JITZ	[arcsec] RMS jitter during DCE along Z	all
integer	ROW	Current row number	all
string	ROWSTEP	SED map row step	70sed
string	RSTEP160	[arcsec] MIPS-160 raster map row step size	all
string	RSTEP24	[arcsec] MIPS-24 raster map row step size	all
string	RSTEP70	[arcsec] MIPS-70 raster map row step size	all
integer	RSTP_70	[Frames] Det 70u Normal Reset Period in Data	70
integer	RSTP_70	[Frames] Det 70u Normal Reset Period in Data	70sed
integer	RSTP160	[Frames] Det 160u Normal Reset Period in Data	160
float	SAMPTIME	[sec] Sample integration time	all
integer	SATTHDIF	[DN/SAMPTIME] Saturation threshold in difference	24
float	SC_AT_Q1	ATDT_SC_QUATERNION_Q1	all
float	SC_AT_Q2	ATDT_SC_QUATERNION_Q2	all
float	SC_AT_Q3	ATDT_SC_QUATERNION_Q3	all
float	SC_AT_Q4	ATDT_SC_QUATERNION_Q4	all
float	SC_R8_X	[asec/s]	all
float	SC_R8_Y	[asec/s]	all

float	SC_R8_Z	[asec/s]	all
integer	SC_SYNCC	Total HTG CSMM to SC Synch Pulse Count	all
string	SCANDIR	Scan direction	all
float	SCANLEN	[deg] Scan leg length	all
string	SCANRATE	Scan map rate (slow, med, fast)	all
string	SCETDARK	Dark product acquisition time	70sed
string	SCETDARK	Dark product acquisition time	all
string	SCETDNT	Time of DN-to-Flux single fallback file	24
string	SCETDNT1	Time of DN-to-Flux interpolation file 1	24
string	SCETDNT2	Time of DN-to-Flux interpolation file 2	24
string	SCETENL	Non-linearity acquisition time	70
string	SCETENL	Non-linearity acquisition time	160
string	SCETENL	Non-linearity acquisition time	70sed
string	SCETFLAT	Flat product acquisition time	24
string	SCETILC	Flat product acquisition time	70
string	SCETILC	Flat product acquisition time	160
string	SCETILC	Flat product acquisition time	70sed
string	SCETNONL	Non-linearity acquisition time	24
string	SCETPMSK	Pixel-mask acquisition time	70sed
string	SCETPMSK	Pixel-mask acquisition time	all
string	SCETROWF	Row-flux correction acquisition time	24
integer	SCLEGNUM	Scan leg number	all
double	SCLK_OBS	[sec] SCLK (Spacecraft CLock) time (since 1/1/1980) at DCE start	all
logical	SEL160TP	MIPS-160 selected	all
logical	SEL24TP	MIPS-24 selected	all
logical	SEL70TP	MIPS-70 selected	all
logical	SELEC160	MIPS-160 selected	all
logical	SELEC24	MIPS-24 selected	all
logical	SELEC70	MIPS-70 selected	all
double	SIG_JTYZ	[arcsec] YZ costandard deviation of jitter	all
double	SIGDEC	[arcsec] RMS dispersion in DEC over DCE	all
double	SIGPA	[arcsec] RMS dispersion of PA over DCE	all
double	SIGRA	[arcsec] RMS dispersion in RA over DCE	all
logical	SIMPLE	Fits standard	all
string	SIS_SVER	SIS SW VERSION of CREATOR0	all
integer	SLEWING	ACG_MANEUVER_IN_PROGRESS	all
integer	SOS_VER	Data-Product Version	all
double	SPECTILT	[deg] Spectral tilt	70sed
float	SPOT_X	[pix] X-position of characteristic spot (S12)	24
float	SPOT_Y	[pix] Y-position of characteristic spot (S12)	24
integer	STEPFOR	[arcsec] Cross-scan step size for forward leg	all
integer	STEPREV	[arcsec] Cross-scan step size for reverse leg	all
integer	STM_MODE	Stimulator Manual or Auto Mode	70
integer	STM_MODE	Stimulator Manual or Auto Mode	160
integer	STM_MODE	Stimulator Manual or Auto Mode	70sed
float	STMFL_70	Det 70u Stimulator Flashed	70
float	STMFL_70	Det 70u Stimulator Flashed	70sed
float	STMFL160	Det 160u Stimulator Flashed	160
integer	STMID_70	Det 70u Stimulator Power Enables	70
integer	STMID_70	Det 70u Stimulator Power Enables	70sed
integer	STMID160	Det 160u Stimulator Power Enables	160
integer	STMP_70	[Frames] Det 70u Stimulator Period in Data	70
integer	STMP_70	[Frames] Det 70u Stimulator Period in Data	70sed
integer	STMP160	[Frames] Det 160u Stimulator Period in Data	160
string	T_PERI	[Julian date] Perihelion date	all
string	TELESCOP	Spitzer Space Telescope	all
integer	TLMGRPS	Number of expected telemetry groups	all
double	UNCRTPA	[deg] Uncertainty in position angle	all
logical	USEDDBPHF	True (T) if Boresight Pointing History File was used	all
double	UTCS_OBS	[sec] J2000 ephemeris time at DCE start	all
double	VBIAS_70	[Volts] Det 70u Common Bias Voltage at Detector	70

double	VBIAS_70	[Volts] Det 70u Common Bias Voltage at Detector	70sed
double	VBIAS160	[Volts] Det 160u Common Bias Voltage at Detector	160
double	VMREF_70	[Volts] Det 70u minus 5.00 Reference Voltage	70
double	VMREF_70	[Volts] Det 70u minus 5.00 Reference Voltage	70sed
double	VMREF160	[Volts] Det 160u minus 5.00 Reference Voltage	160
double	VOFFA_70	[Volts] Det 70u Offset Voltage A-half	70
double	VOFFA_70	[Volts] Det 70u Offset Voltage A-half	70sed
double	VOFFA160	[Volts] Det 160u Offset Voltage A-half	160
double	VOFFB_70	[Volts] Det 70u Offset Voltage B-half	70
double	VOFFB_70	[Volts] Det 70u Offset Voltage B-half	70sed
double	VOFFB160	[Volts] Det 160u Offset Voltage B-half	160
double	VQRST_70	[Volts] Det 70u Q Reset High Level Voltage	70
double	VQRST_70	[Volts] Det 70u Q Reset High Level Voltage	70sed