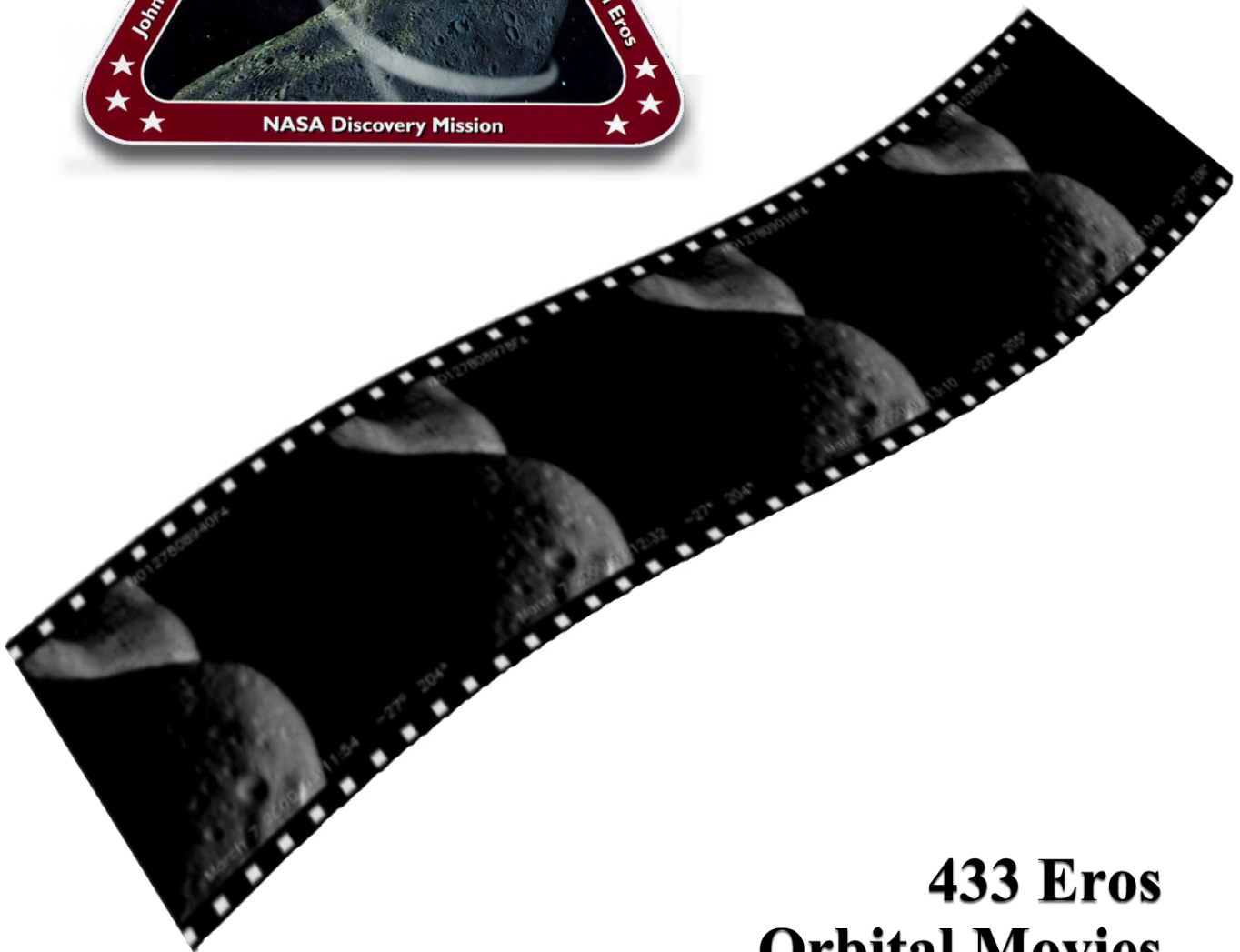


NEAR EARTH ASTEROID RENDEZVOUS



**433 Eros
Orbital Movies**

NEAR Shoemaker Eros Movies

<http://www.earth.northwestern.edu/research/robinson/>

Produced by: Emerson Speyerer, Northwestern University
Mark Robinson, Northwestern University

Sequenced by: Ann Harch, Cornell University
Colin Peterson, Cornell University
Maureen Bell, Cornell University

March 12, 2002

We thank the Mission Design, Mission Operations, and Spacecraft Teams of the NEAR Project at the Applied Physics Laboratory of Johns Hopkins University and the Navigation Team at the Jet Propulsion Laboratory for their dedicated and successful efforts that resulted in making NEAR Shoemaker the first spacecraft to successfully orbit and land on an asteroid. The NEAR Shoemaker mission and this work were made possible by NASA. Production of this volume was part of E. Speyerer's 2001 summer internship through Northwestern University's Illinois Space Grant Program (directed by Professor M. Ulmer, Department of Physics and Astronomy).

Movie Page Format

1. The name the image sequence was given.
2. The day of the year the images were acquired.
Example:
January 1, 2000 DOY: 1
December 31, 2000 DOY: 366
3. The date(s) the images were acquired.
4. The mission elapsed time when the first and last image was acquired.
5. Orbit (km)
6. Sequence ID
7. The filter used. See chart below for more information.

NEAR-MSI Filter Codes		
Code #	Wave (nm)	FWHM (nm)
0	700	200
1	550	30
2	450	100
3	760	20
4	950	40
5	900	40
6	1000	50
7	1050	80
Taken from the NEAR Multispectral Imager (MSI) DPU Software Requirements Specification Revision B, JHU/APL 7356-9001, May 8, 1997		

Orbital Movies

① Flyover1

② Day of Year: 067 2000

③ Date: March 7, 2000

④ MET Range: 0127808826-0127814488

⑤ Orbit: 200 x 200

⑥ Sequence ID: 1

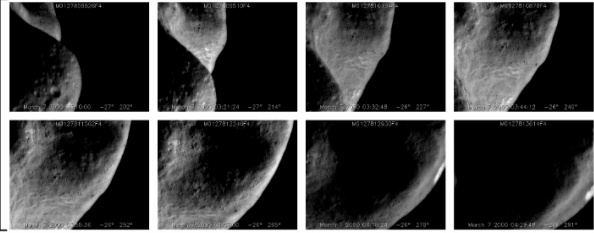
⑦ Filter: 4

⑧ Number of Images: 150

⑨ Calibration: MSICAL

⑩ Compression: table6

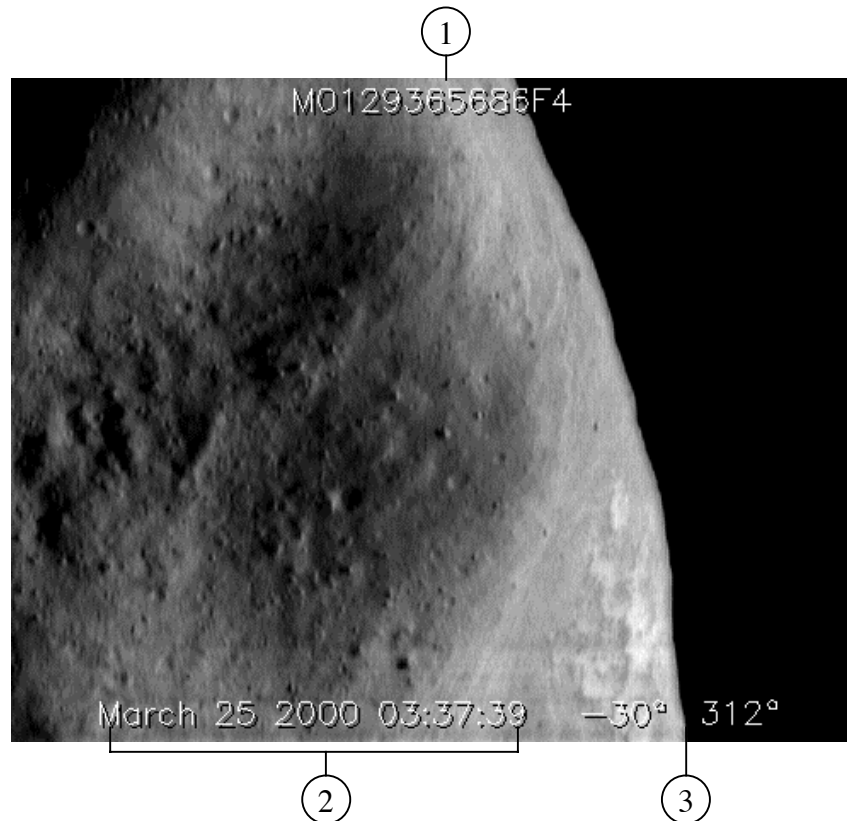
⑪



Page 1 of 100

8. The number of images acquired in the sequence.
9. Calibration program used on images
10. Compression used onboard spacecraft
11. Eight thumbnails of images taken evenly through out the sequence.

Movie Frame Format



1. The numbers and letters are a code given to uniquely identify each image. The “M” stands for MSI (the instrument in which it was acquired). The ten digit number is the mission elapsed time since launch. “Fx” represents the filter through which the image was acquired (F3= 760 nm F4= 950 nm)
2. Date and time (UT) image was acquired
3. The sub spacecraft point (latitude and longitude of the intersection of a line between the center of mass of Eros and the NEAR spacecraft)

explanation of standard annotations found on movie frames

Table of Contents

Flyover1.....	1	FeatureTrack_269a.....	51
Flyover2.....	2	FeatureTrack_270e.....	52
FeatureTrk2.....	3	FeatureTrack_270a.....	53
Flyover3.....	4	FeatureTrack_270b.....	54
FeatureTrk3.....	5	FeatureTrack_270c.....	55
Flyover4.....	6	FeatureTrack_270d.....	56
Flyover_5.....	7	FeatureTrack_271a.....	57
Flyover_6.....	8	nlr_1.....	58
Flyover_7.....	9	nlr_5.....	59
FeatureTrk_4.....	10	nlr_11.....	60
Flyover_8_rev1.....	11	nlr_12.....	61
FeatureTrk_5.....	12	FeatureTrack_274a.....	62
FeatureTrk_6.....	13	FeatureTrack_274d.....	63
Flyover_12.....	14	FeatureTrack_274c.....	64
Flyover_13.....	15	MSI_FeatureTrack_280.....	65
Flyover_14.....	16	MSI_LimbScan_281.....	66
FeatureTrk7.....	17	MSI_FeatureTrack_281.....	67
FeatureTrk8.....	18	MSI_Flyover_281a.....	68
Flyover_15.....	19	MSI_Flyover_281b.....	69
Flyover_16.....	20	MSI_Flyover_281c.....	70
Flyover_17.....	21	MSI_Flyover_284.....	71
Flyover_18.....	22	MSI_NoseFeatFly_285.....	72
MSI_FeatureTrack_11.....	23	MSI_FeatureTrack_289a.....	73
MSI_Flyover_117.....	24	MSI_FeatureTrack_289b.....	74
MSI_FeatureTrack_117.....	25	MSI_Flyover_289.....	75
MSI_FeatureTrack_118.....	26	MSI_Flyover_291a.....	76
MSI_FeatureTrack_121.....	27	MSI_Flyover_291b.....	77
Flyover_242a.....	28	MSI_FeatureTrack_292.....	78
Flyover_242b.....	29	MSI_FeatureTrack_294.....	79
Flyover_242c.....	30	MSI_LowAlt_Closest_1.....	80
FeatureTrack_244a.....	31	MSI_LowAlt_Closest_2.....	81
FeatureTrack_244b.....	32	MSI_NadirPt03_303.....	82
FeatureTrack_244c.....	33	Flyover_306.....	83
Flyover_244a.....	34	Flyover_310.....	84
Flyover_246a.....	35	Flyover_311.....	85
FeatureTrack_247a.....	36	MSI_Flyover_311b.....	86
MSI_Flyover_255.....	37	MSI_Flyover_314.....	87
FeatureTrack_255a.....	38	MSI_Flyover_320.....	88
FeatureTrack_256a.....	39	MSI_FeatureTrk_320.....	89
FeatureTrack_257a.....	40	MSI_Flyover_322.....	90
FeatureTrack_258a.....	41	MSI_Flyover_323.....	91
FeatureTrack_259a.....	42	MSI_Flyover_326.....	92
FeatureTrack_259b.....	43	MSI_Flyover_334.....	93
FeatureTrack_260a.....	44	MSI_Flyover_336.....	94
MSI_LimbScan_263a.....	45	MSI_Flyover_338a.....	95
MSI_LimbScan_263b.....	46	MSI_Flyover_338b.....	96
MSI_Flyover_264.....	47	MSI_Flyover_339.....	97
MSI_FeatureTrack_266.....	48	MSI_Flyover_343.....	98
MSI_LimbScan_266.....	49	MSI_Flyover_344.....	99
MSI_Flyover_267.....	50	MSI_Final_Descent.....	100

Flyover1

Day of Year: 067 2000

Date: March 7, 2000

MET Range: 0127808826-0127814488

Orbit: 200 x 200

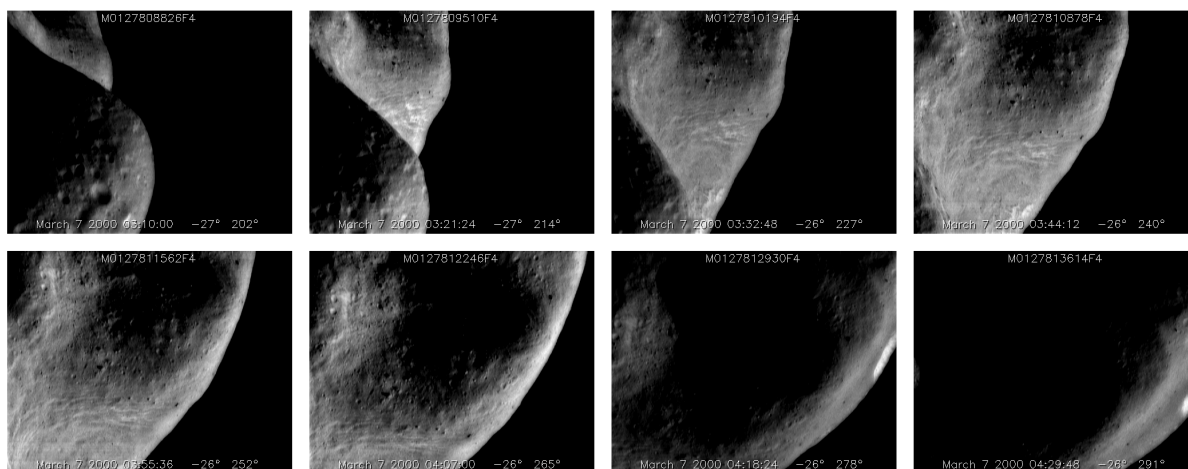
Sequence ID: 1

Filter: 4

Number of Images: 150

Calibration: MSICAL

Compression: table6



433 Eros

Flyover2

Day of Year: 067 2000

Date: March 7, 2000

MET Range: 0127875126-0127878508

Orbit: 200 x 200

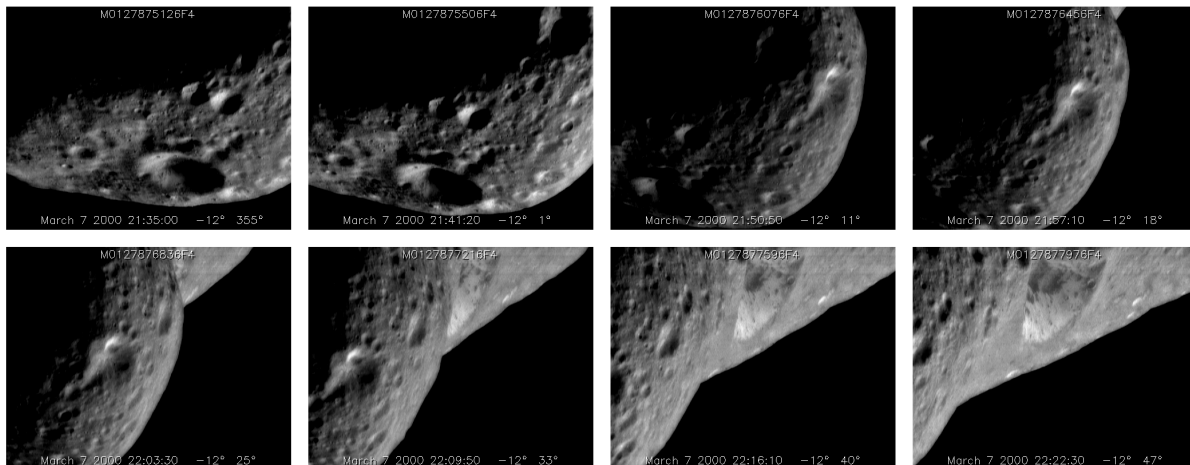
Sequence ID: 1

Filter: 4

Number of Images: 85

Calibration: MSICAL

Compression: table6



FeatureTrk2

Day of Year: 075 2000

Date: March 15, 2000

MET Range: 0128500626-0128510043

Orbit: 200 x 200

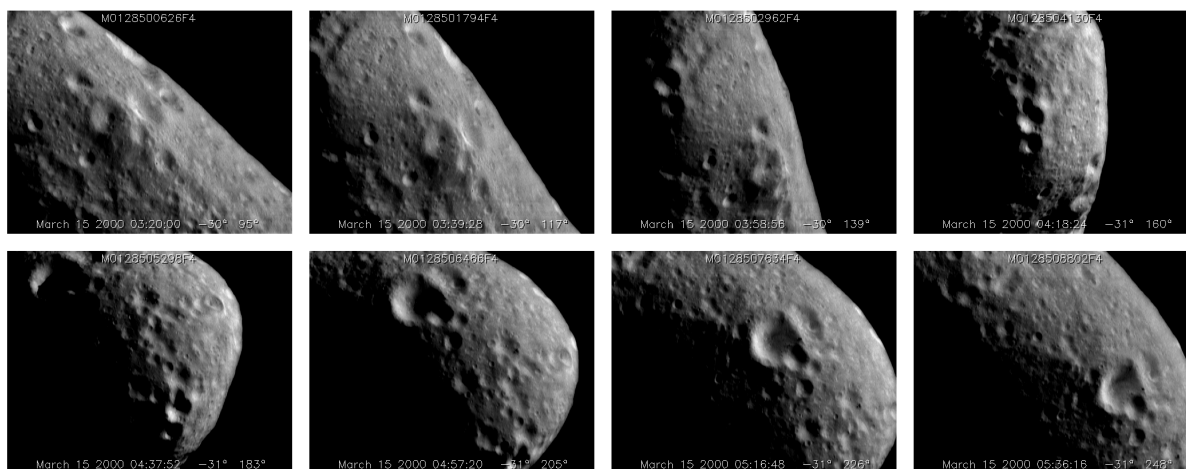
Sequence ID: 1

Filter: 4

Number of Images: 130

Calibration: MSICAL

Compression: table6



433 Eros

Flyover3

Day of Year: 075 2000

Date: March 15, 2000

MET Range: 0128512626-0128529720

Orbit: 200 x 200

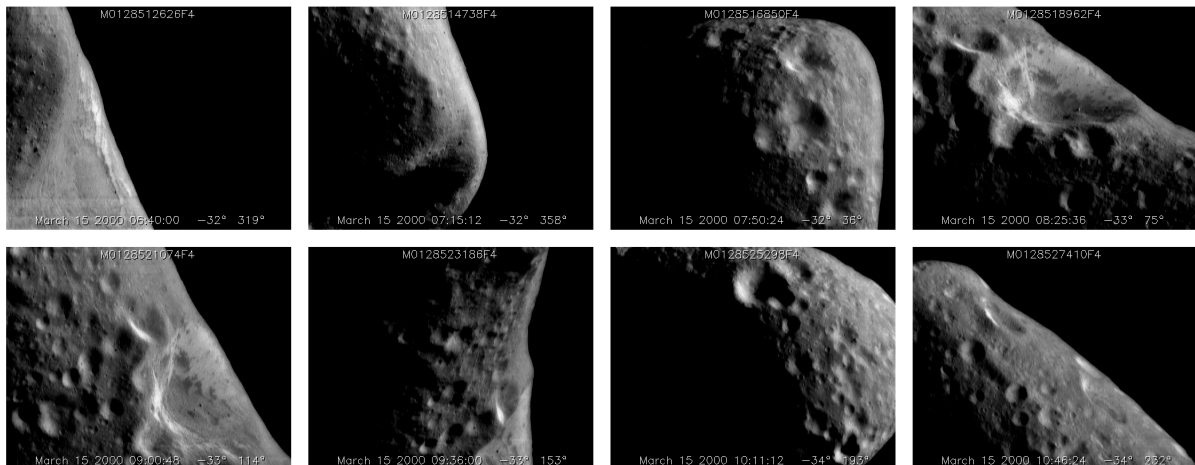
Sequence ID: 1

Filter: 4

Number of Images: 260

Calibration: MSICAL

Compression: table6



FeatureTrk3

Day of Year: 077 2000

Date: March 17, 2000

MET Range: 0128683626-0128688267

Orbit: 200 x 200

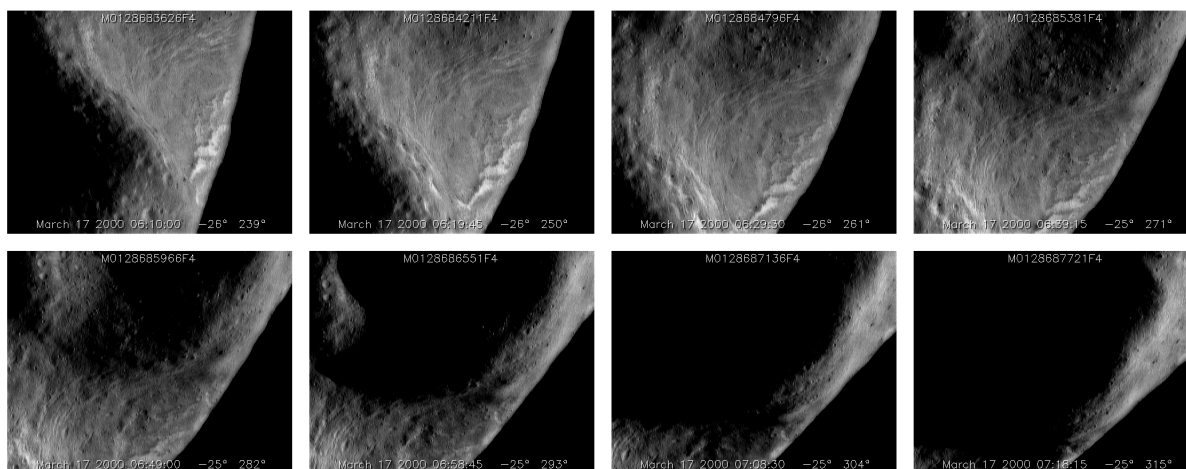
Sequence ID: 18

Filter: 4

Number of Images: 120

Calibration: MSICAL

Compression: table5



433 Eros

Flyover4

Day of Year: 079 2000

Date: March 19, 2000

MET Range: 0128845626-0128859099

Orbit: 200 x 200

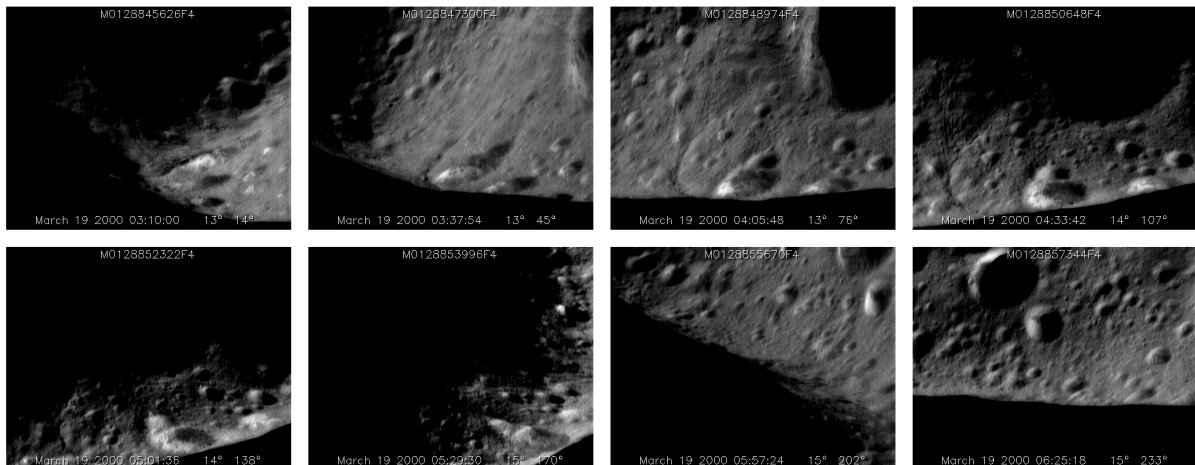
Sequence ID: 1

Filter: 4

Number of Images: 500

Calibration: MSICAL

Compression: table6



Flyover_5

Day of Year: 081 2000

Date: March 21, 2000

MET Range: 0129038826-0129042996

Orbit: 200 x 200

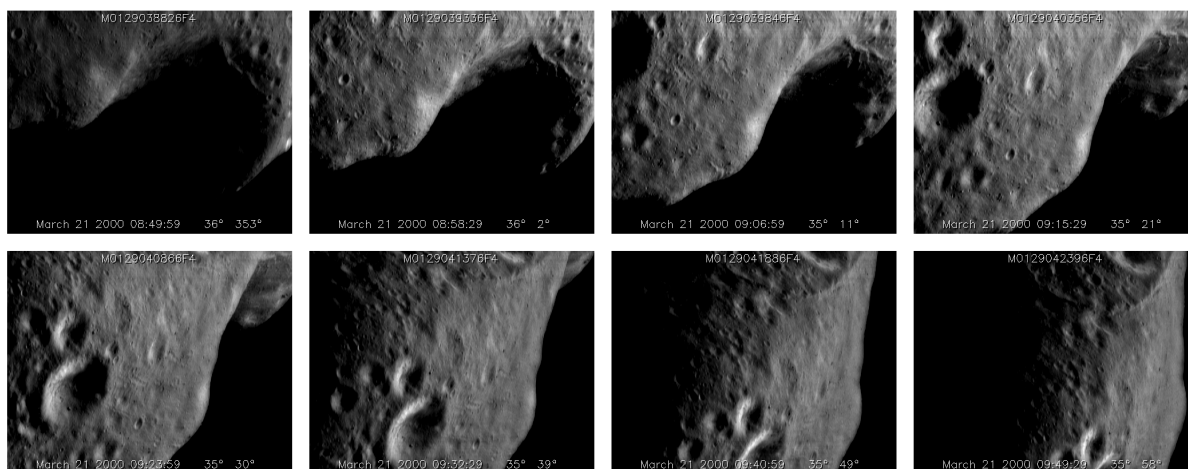
Sequence ID: 1

Filter: 4

Number of Images: 140

Calibration: MSICAL

Compression: table6



433 Eros

Flyover_6

Day of Year: 081 2000

Date: March 21, 2000

MET Range: 0129046626-0129050796

Orbit: 200 x 200

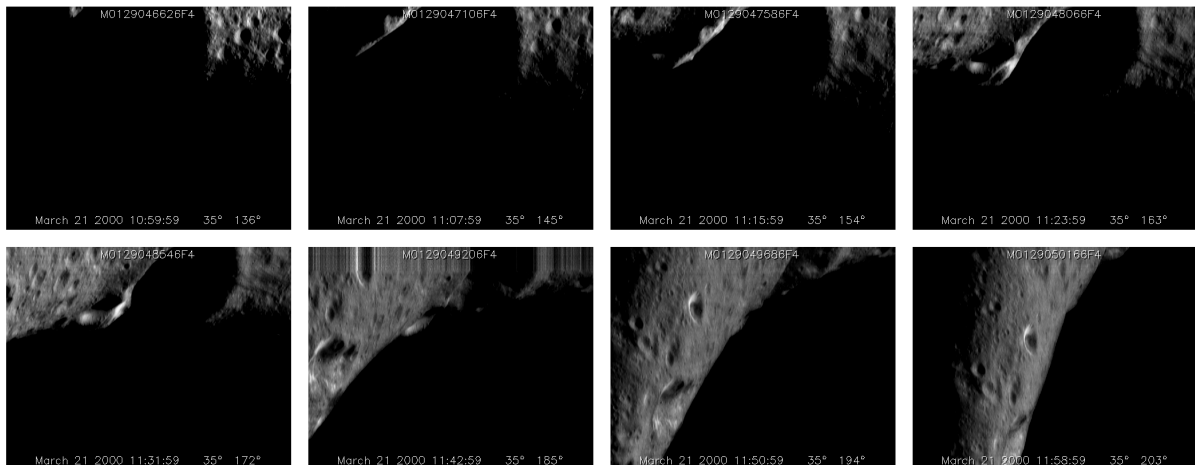
Sequence ID: 1

Filter: 4

Number of Images: 134

Calibration: MSICAL

Compression: table6



Flyover_7

Day of Year: 081-082 2000

Date: March 21-22, 2000

MET Range: 0129092226-0129111726

Orbit: 200 x 200

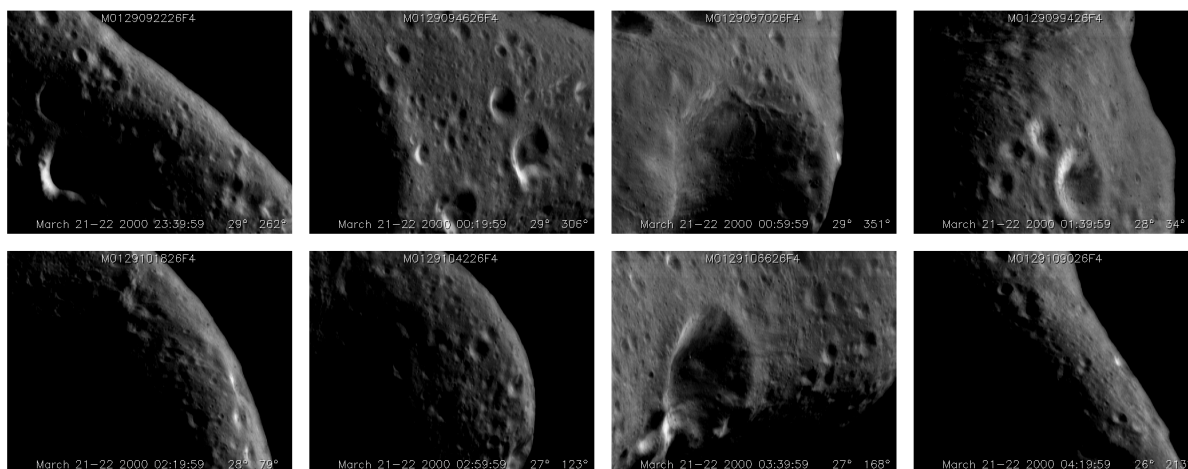
Sequence ID: 1

Filter: 4

Number of Images: 644

Calibration: MSICAL

Compression: table6



433 Eros

FeatureTrk_4

Day of Year: 082 2000

Date: March 22, 2000

MET Range: 0129115386-0129120138

Orbit: 200 x 200

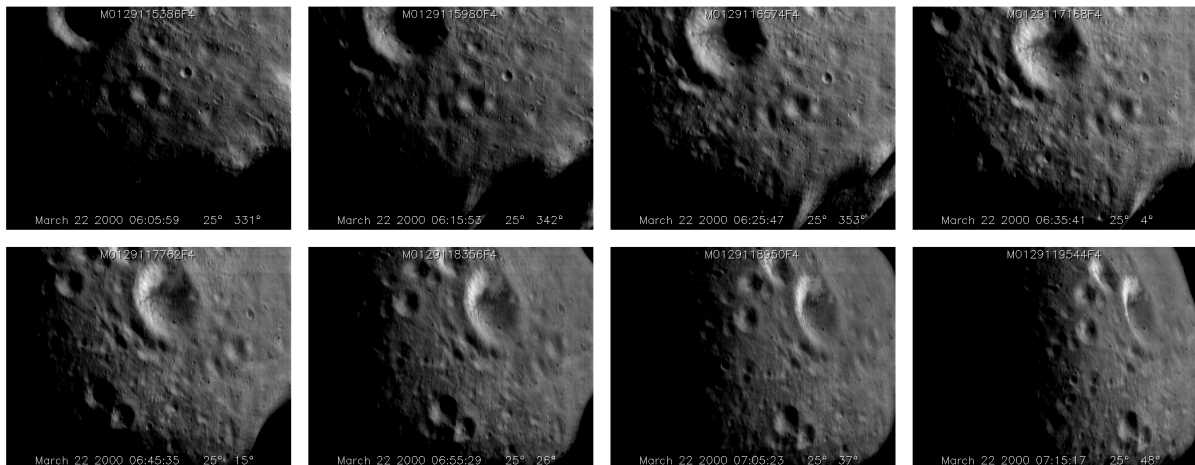
Sequence ID: 18

Filter: 4

Number of Images: 265

Calibration: MSICAL

Compression: table5



Flyover_8_rev1

Day of Year: 083 2000

Date: March 23, 2000

MET Range: 0129207186-0129227220

Orbit: 200 x 200

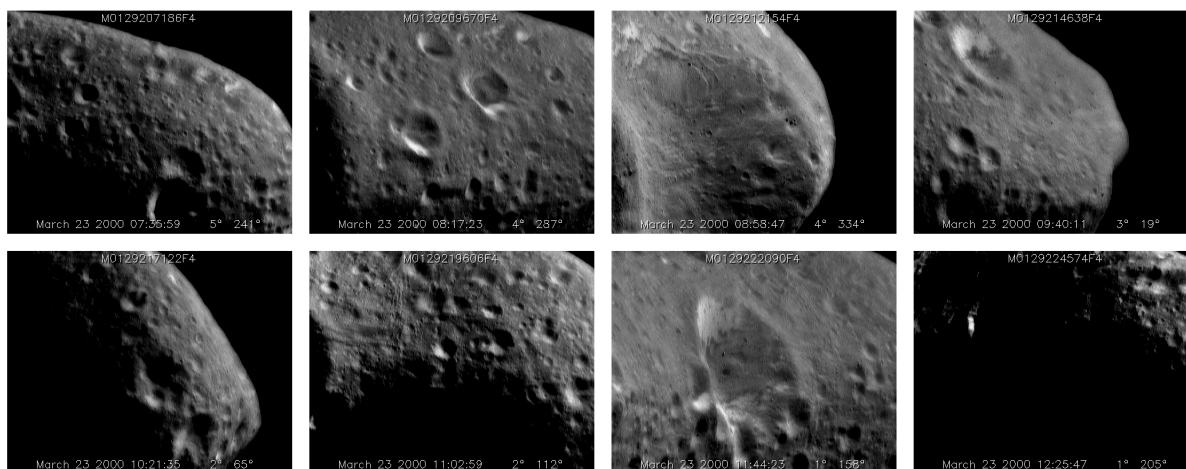
Sequence ID: 1

Filter: 4

Number of Images: 743

Calibration: MSICAL

Compression: table6



433 Eros

FeatureTrk_5

Day of Year: 085 2000

Date: March 25, 2000

MET Range: 0129358386-0129365261

Orbit: 200 x 200

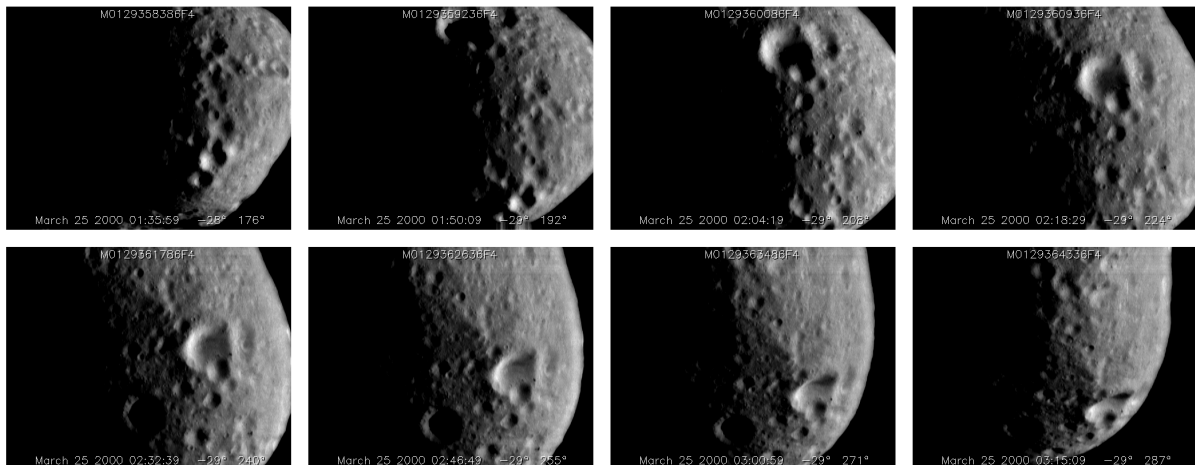
Sequence ID: 1

Filter: 4

Number of Images: 276

Calibration: MSICAL

Compression: table6



FeatureTrk_6

Day of Year: 085 2000

Date: March 25, 2000

MET Range: 0129365646-0129368806

Orbit: 200 x 200

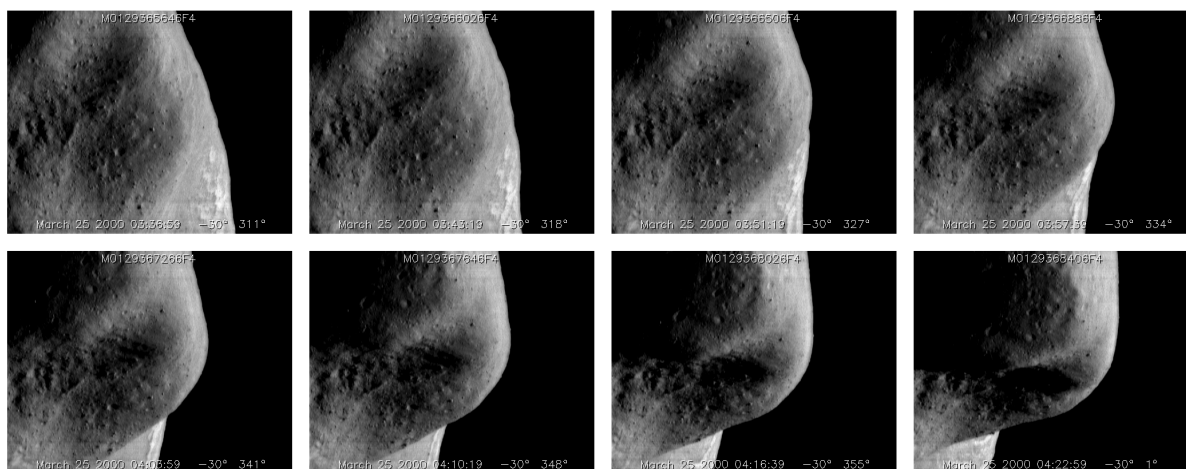
Sequence ID: 1

Filter: 4

Number of Images: 154

Calibration: MSICAL

Compression: table6



Flyover_12

Day of Year: 088 2000

Date: March 28, 2000

MET Range: 0129617227-0129636511

Orbit: 200 x 200

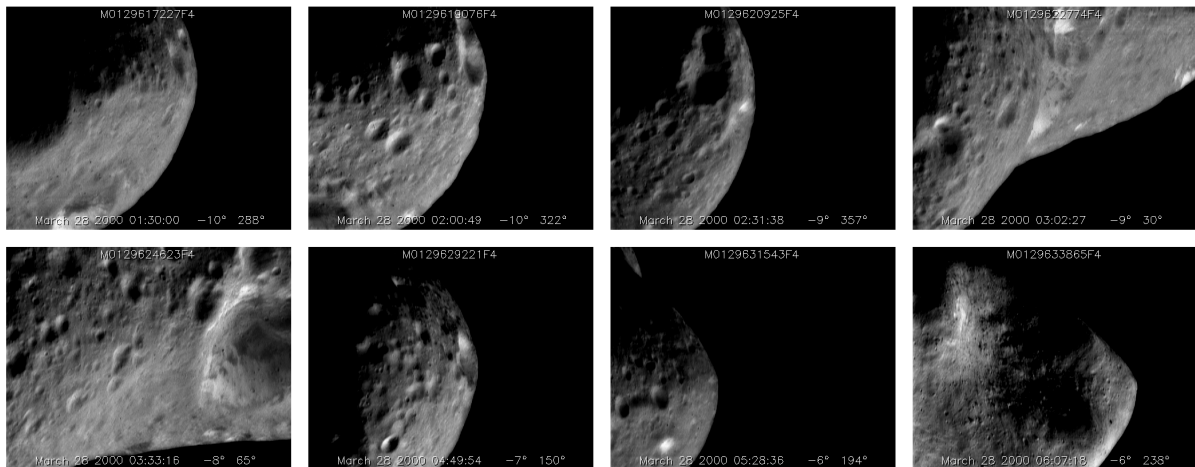
Sequence ID: 18

Filter: 4

Number of Images: 351

Calibration: MSICAL

Compression: table5



Flyover_13

Day of Year: 088 2000

Date: March 28, 2000

MET Range: 0129637027-0129659743

Orbit: 200 x 200

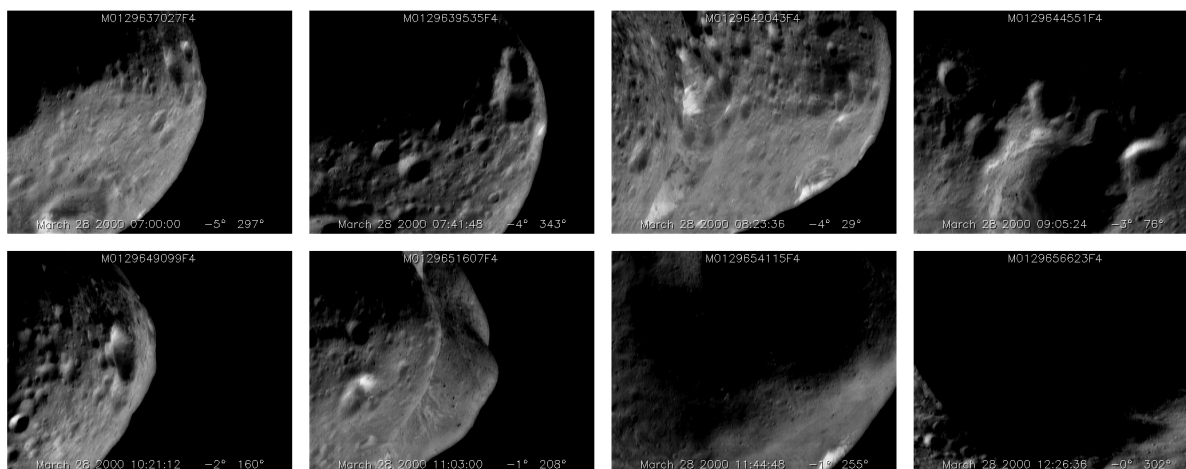
Sequence ID: 18

Filter: 4

Number of Images: 310

Calibration: MSICAL

Compression: table5



433 Eros

Flyover_14

Day of Year: 089 2000

Date: March 29, 2000

MET Range: 0129707847-0129721527

Orbit: 200 x 200

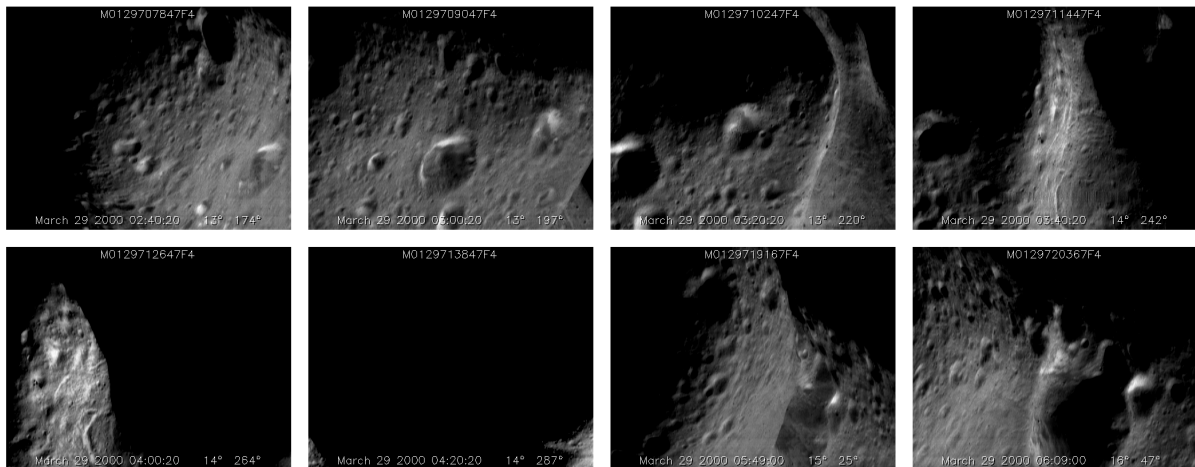
Sequence ID: 18

Filter: 4

Number of Images: 240

Calibration: MSICAL

Compression: table5



FeatureTrk7

Day of Year: 090 2000

Date: March 30, 2000

MET Range: 0129788827-0129807790

Orbit: 200 x 200

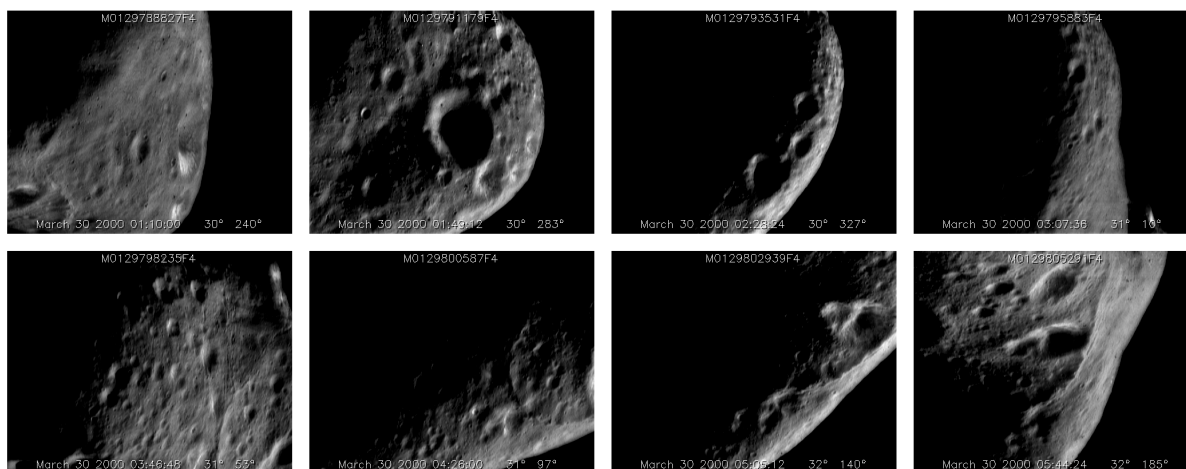
Sequence ID: 18

Filter: 4

Number of Images: 388

Calibration: MSICAL

Compression: table5



433 Eros

FeatureTrk8

Day of Year: 090 2000

Date: March 30, 2000

MET Range: 0129808327-0129830127

Orbit: 200 x 200

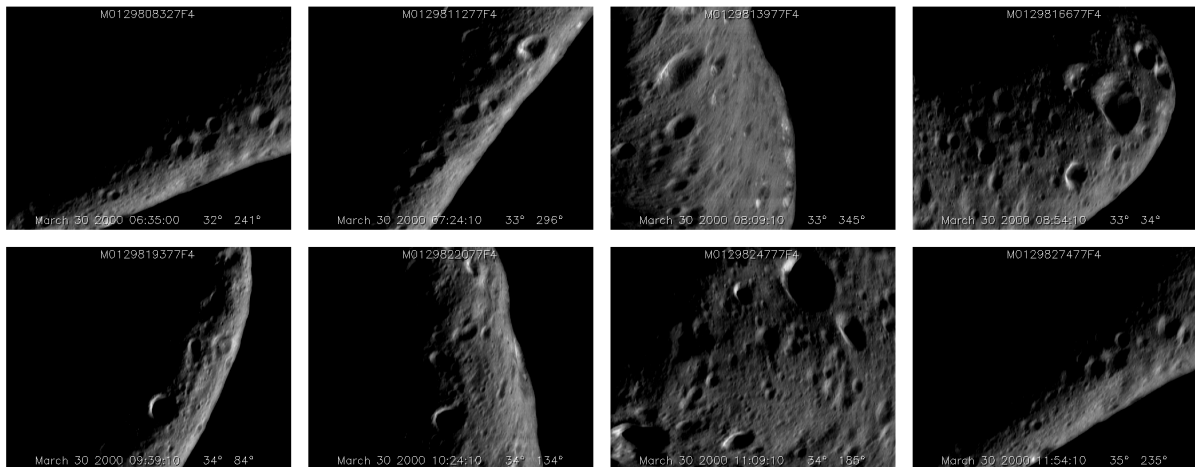
Sequence ID: 18

Filter: 4

Number of Images: 432

Calibration: MSICAL

Compression: table5



Flyover_15

Day of Year: 091 2000

Date: March 31, 2000

MET Range: 0129877927-0129897127

Orbit: 200 x 200

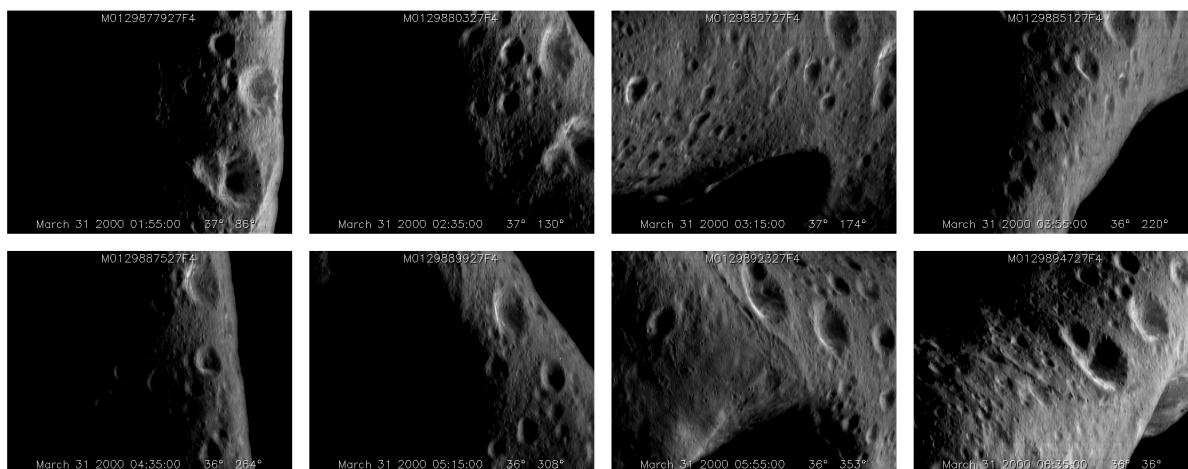
Sequence ID: 1

Filter: 4

Number of Images: 321

Calibration: MSICAL

Compression: table6



433 Eros

Flyover_16

Day of Year: 092 2000

Date: April 1, 2000

MET Range: 0129960427-0129979987

Orbit: 200 x 200

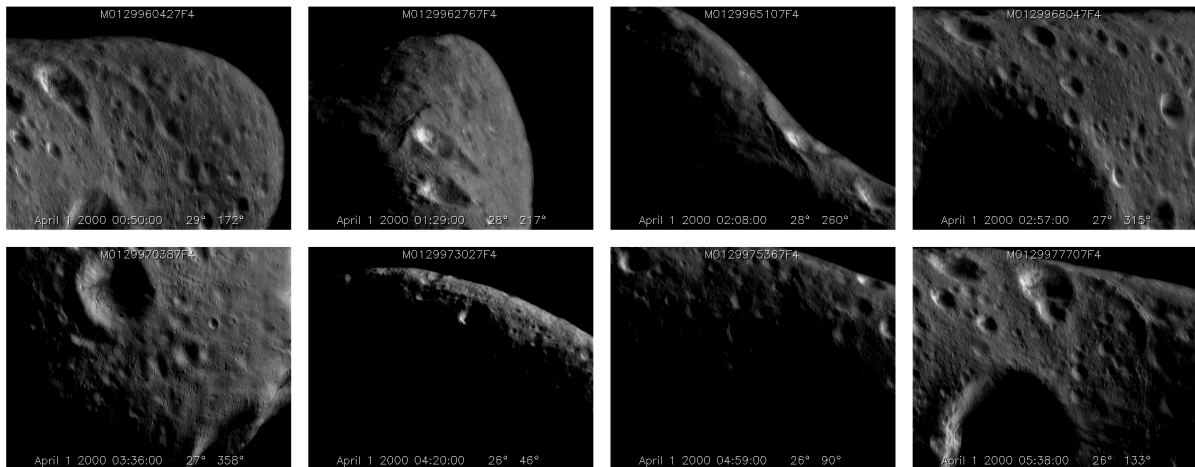
Sequence ID: 1

Filter: 4

Number of Images: 312

Calibration: MSICAL

Compression: table6



Flyover_17

Day of Year: 092 2000

Date: April 1, 2000

MET Range: 0129981127-0130000767

Orbit: 200 x 200

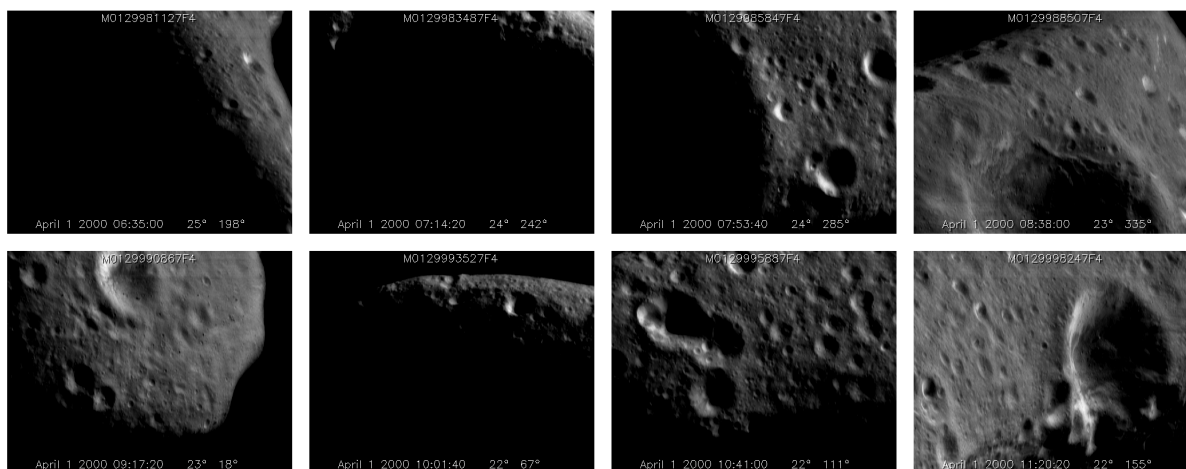
Sequence ID: 1

Filter: 4

Number of Images: 477

Calibration: MSICAL

Compression: table6



433 Eros

Flyover_18

Day of Year: 093-094 2000

Date: April 2-3, 2000

MET Range: 0130118887-0130133831

Orbit: 200 x 200

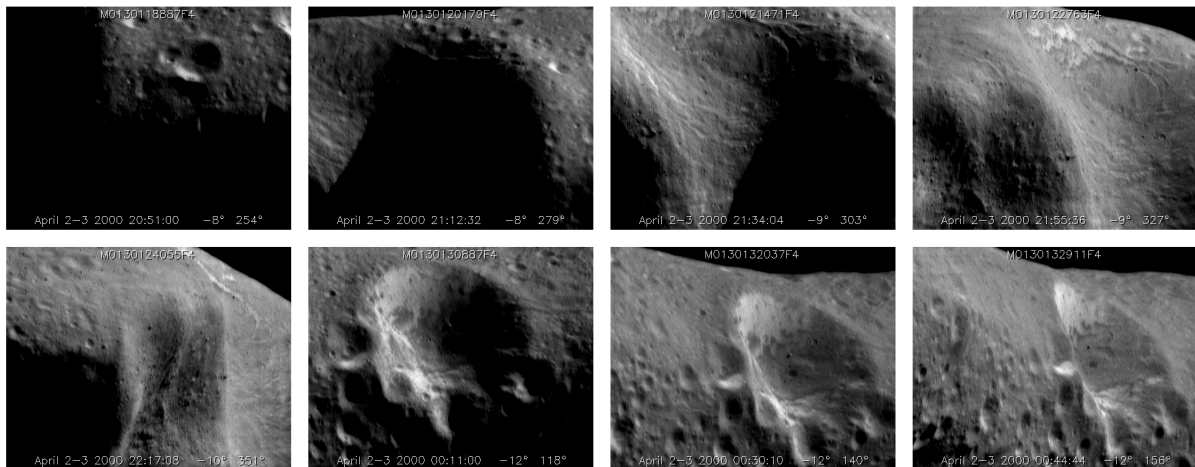
Sequence ID: 18

Filter: 4

Number of Images: 154

Calibration: MSICAL

Compression: table5



MSI_FeatureTrack_11

Day of Year: 115 2000

Date: April 24, 2000

MET Range: 0131974027-0131979893

Orbit: 99 x 50

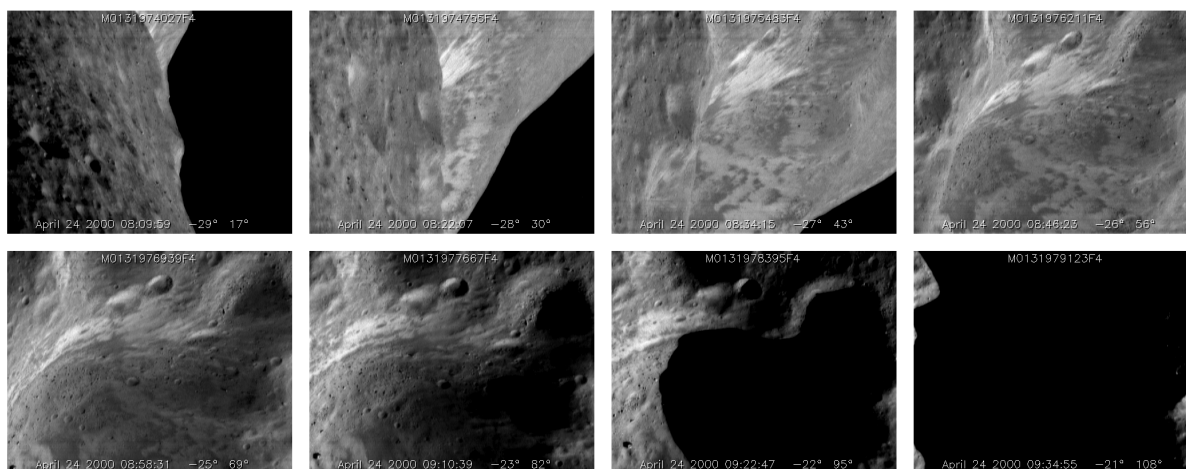
Sequence ID: 18

Filter: 4

Number of Images: 420

Calibration: MSICAL

Compression: table5



433 Eros

MSI_Flyover_117

Day of Year: 117 2000

Date: April 26, 2000

MET Range: 0132140527-0132157880

Orbit: 99 x 50

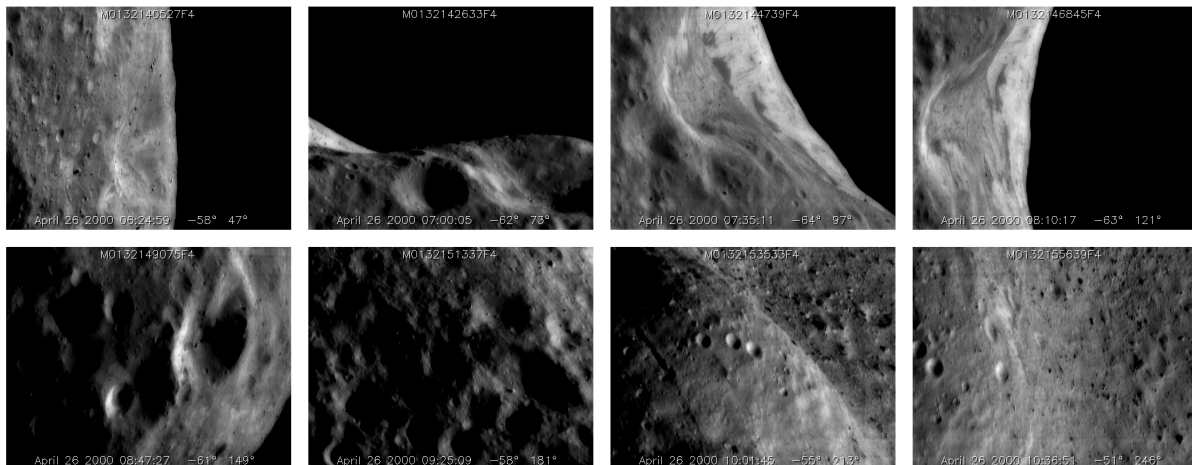
Sequence ID: 1

Filter: 4

Number of Images: 630

Calibration: MSICAL

Compression: table5



MSI_FeatureTrack_117

Day of Year: 117-118 2000

Date: April 26-27, 2000

MET Range: 0132203407-0132207270

Orbit: 99 x 50

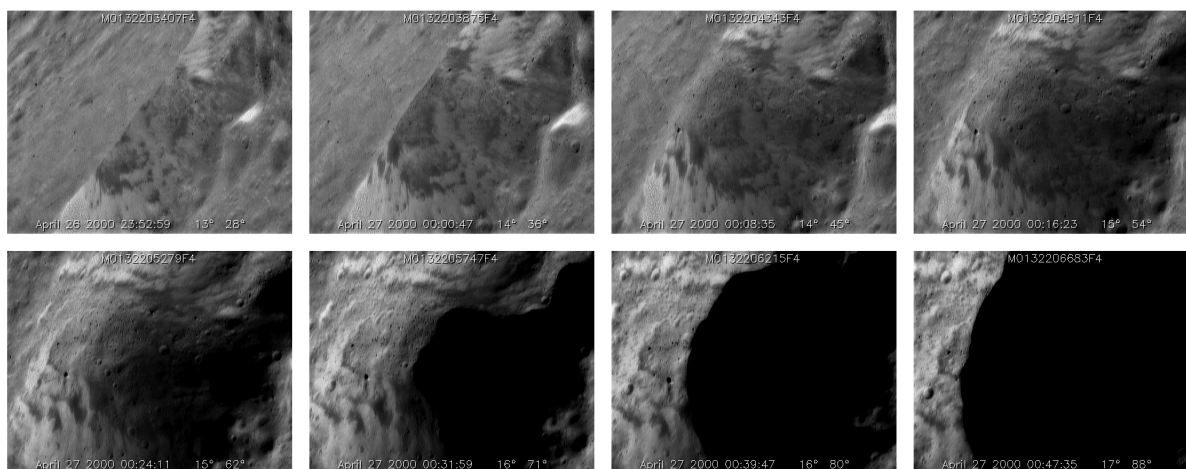
Sequence ID: 30

Filter: 4

Number of Images: 100

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_FeatureTrack_118

Day of Year: 118-119 2000

Date: April 27-28, 2000

MET Range: 0132289927-0132292479

Orbit: 99 x 50

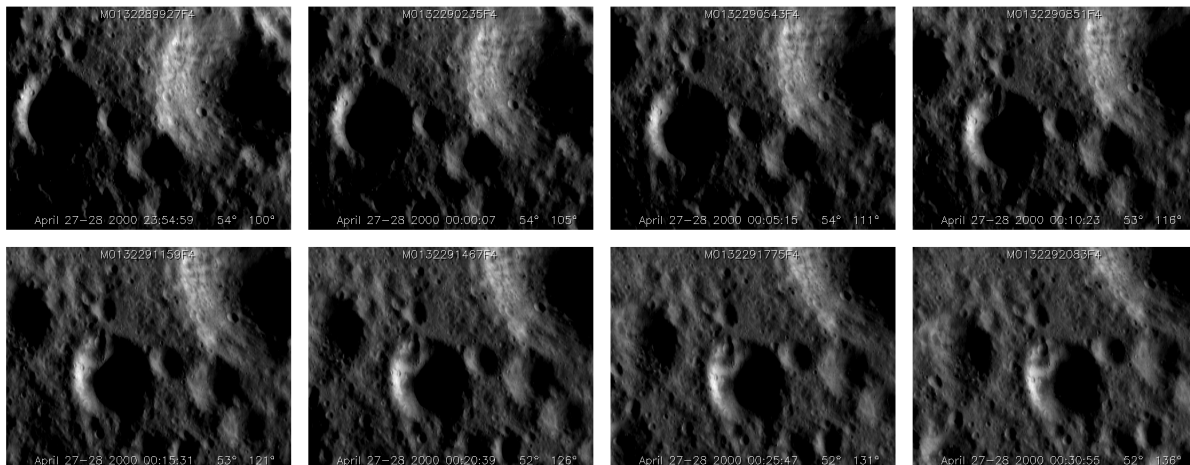
Sequence ID: 18

Filter: 4

Number of Images: 59

Calibration: MSICAL

Compression: table5



MSI_FeatureTrack_121

Day of Year: 122 2000

Date: May 1, 2000

MET Range: 0132554828-0132559476

Orbit: 50 x 50

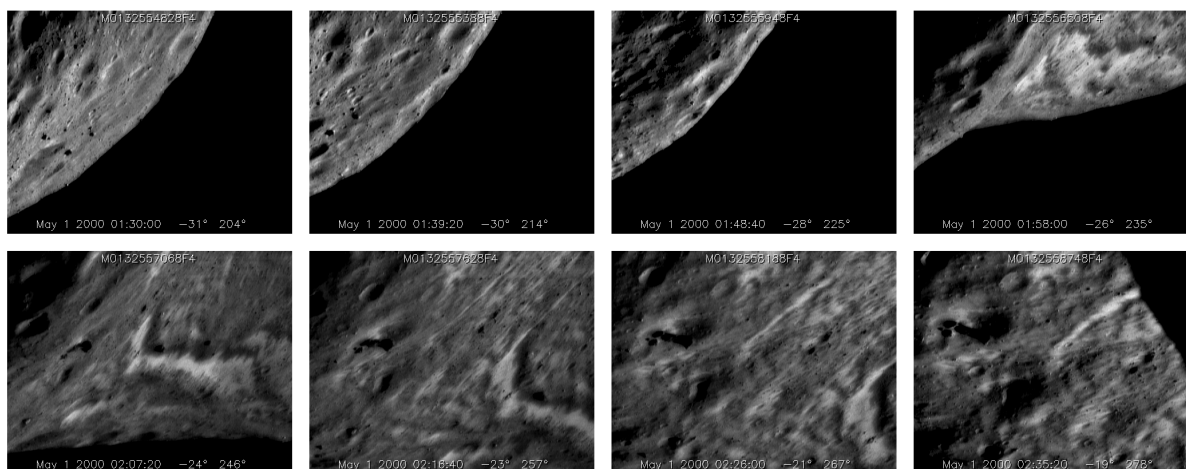
Sequence ID: 18

Filter: 4

Number of Images: 167

Calibration: MSICAL

Compression: table5



433 Eros

Flyover_242a

Day of Year: 242 2000

Date: August 29, 2000

MET Range: 0142930331-0142932553

Orbit: 100 x 51

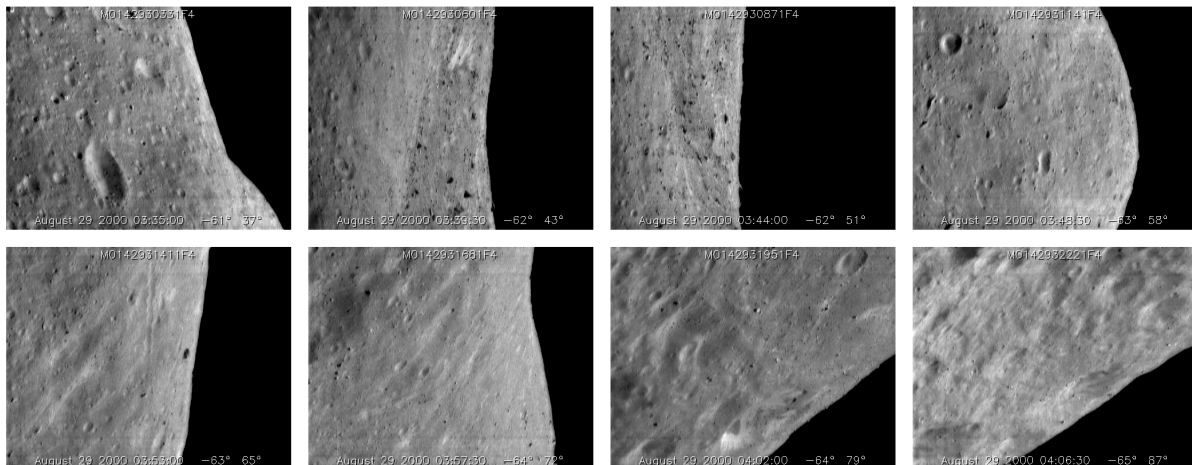
Sequence ID: 30

Filter: 4

Number of Images: 75

Calibration: MSICLEAN

Compression: table5



Flyover_242b

Day of Year: 242 2000

Date: August 29, 2000

MET Range: 0142940411-0142943358

Orbit: 100 x 51

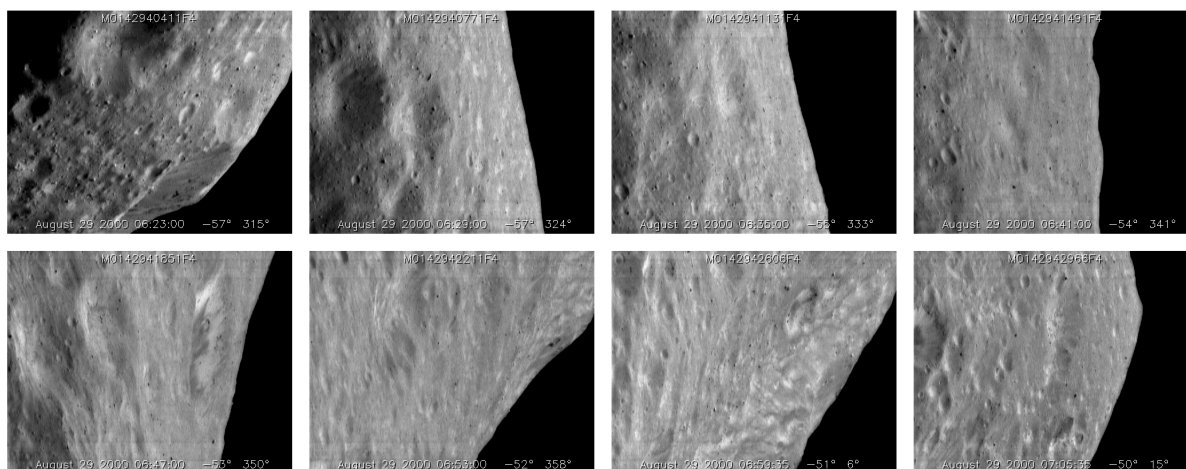
Sequence ID: 30

Filter: 4

Number of Images: 98

Calibration: MSICLEAN

Compression: table5



433 Eros

Flyover_242c

Day of Year: 242 2000

Date: August 29, 2000

MET Range: 0142945391-0142948148

Orbit: 100 x 51

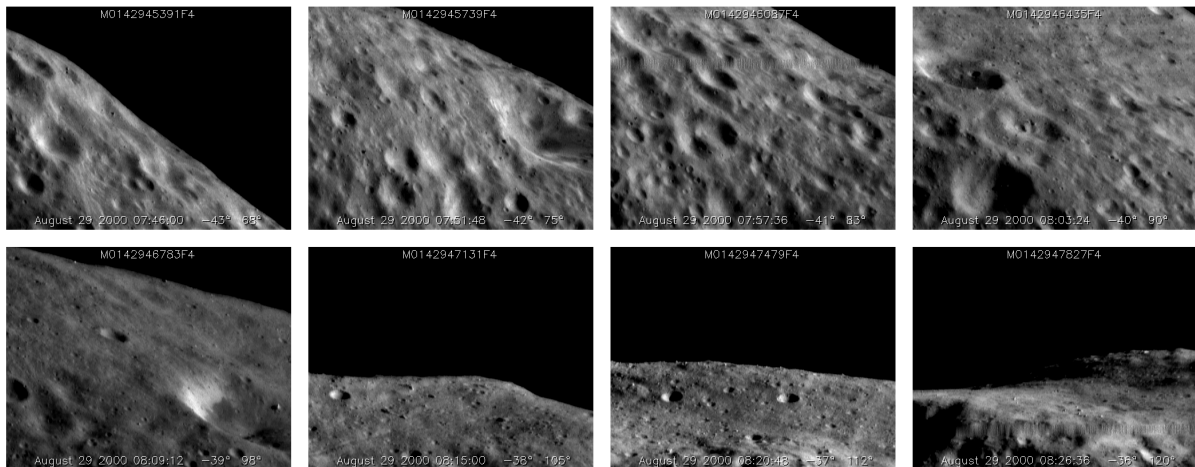
Sequence ID: 30

Filter: 4

Number of Images: 96

Calibration: MSICLEAN

Compression: table5



FeatureTrack_244a

Day of Year: 244 2000

Date: August 31, 2000

MET Range: 0143091941-0143092813

Orbit: 100 x 51

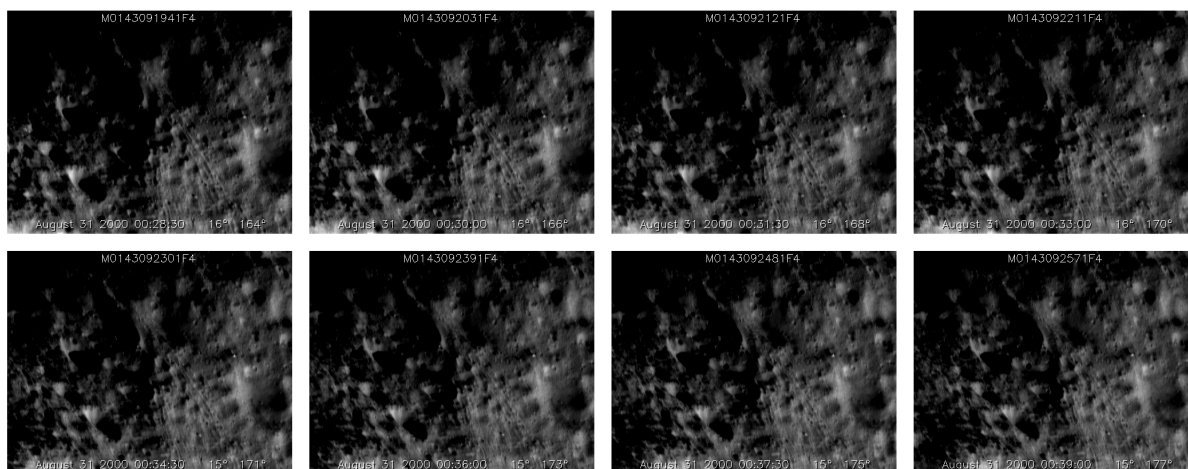
Sequence ID: 30

Filter: 4

Number of Images: 30

Calibration: MSICLEAN

Compression: table5



433 Eros

FeatureTrack_244b

Day of Year: 244 2000

Date: August 31, 2000

MET Range: 0143109231-0143114336

Orbit: 100 x 51

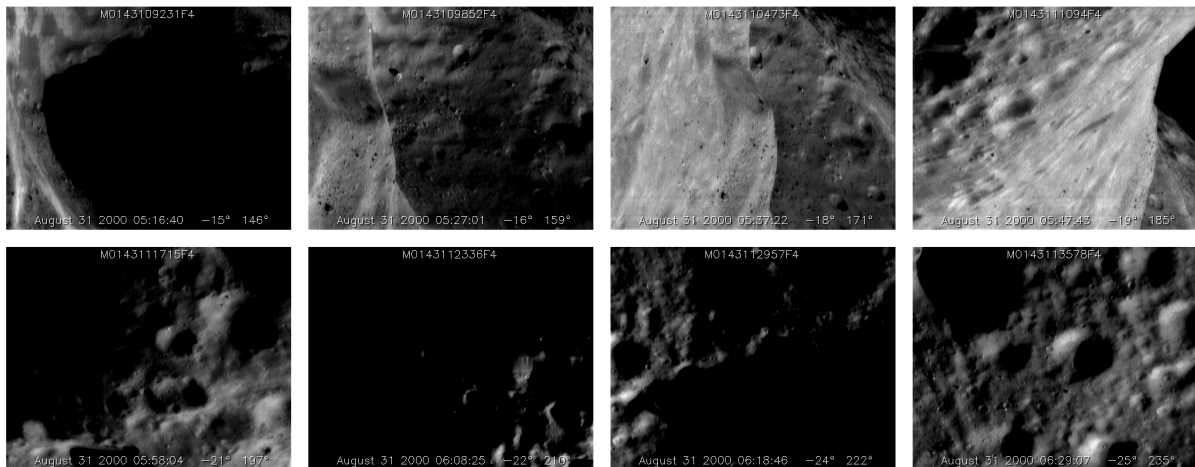
Sequence ID: 30

Filter: 4

Number of Images: 190

Calibration: MSICLEAN

Compression: table5



FeatureTrack_244c

Day of Year: 244 2000

Date: August 31, 2000

MET Range: 0143115041-0143118163

Orbit: 100 x 51

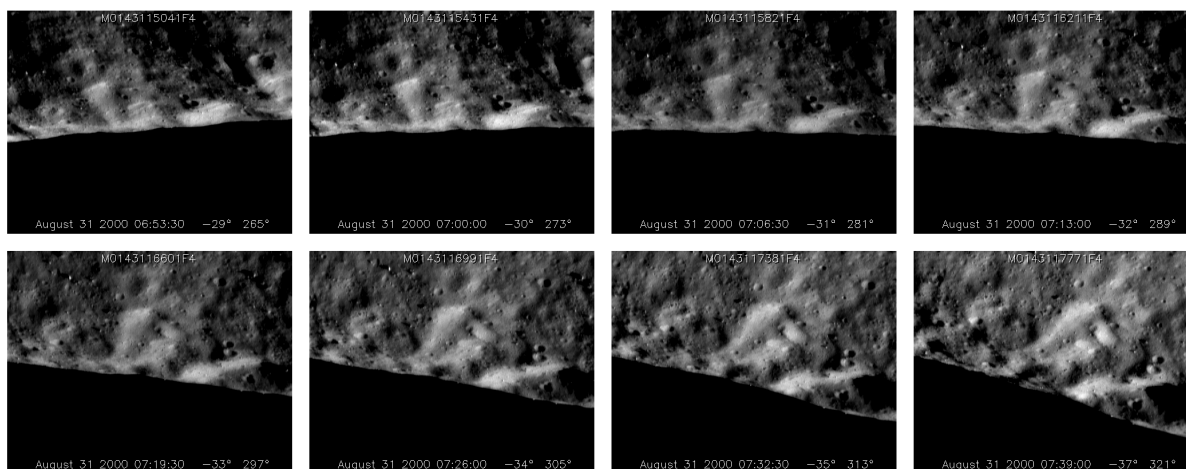
Sequence ID: 30

Filter: 4

Number of Images: 105

Calibration: MSICLEAN

Compression: table5



433 Eros

Flyover_244a

Day of Year: 244 2000

Date: August 31, 2000

MET Range: 0143159441-0143171423

Orbit: 100 x 51

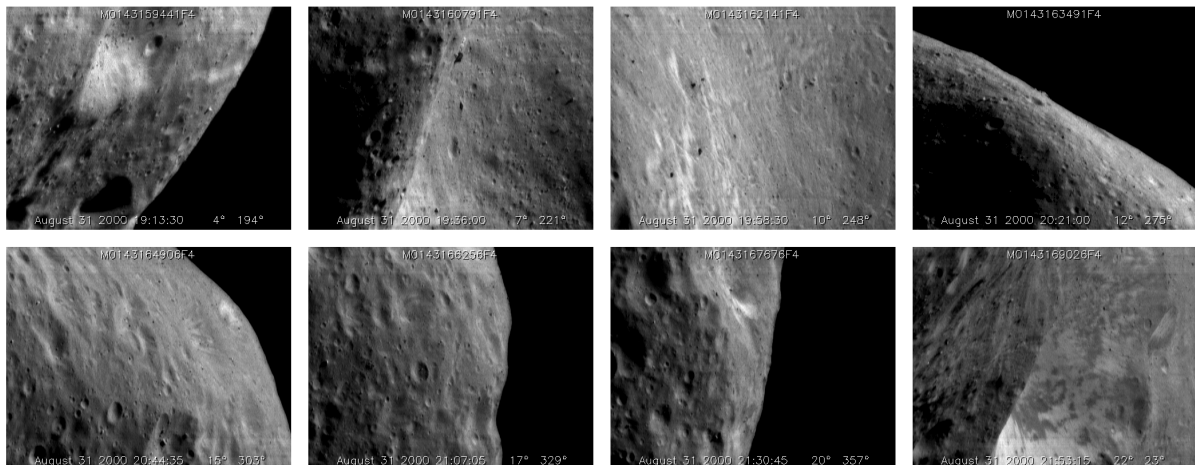
Sequence ID: 30

Filter: 4

Number of Images: 367

Calibration: MSICLEAN

Compression: table5



Flyover_246a

Day of Year: 246 2000

Date: September 2, 2000

MET Range: 0143341031-0143348958

Orbit: 100 x 51

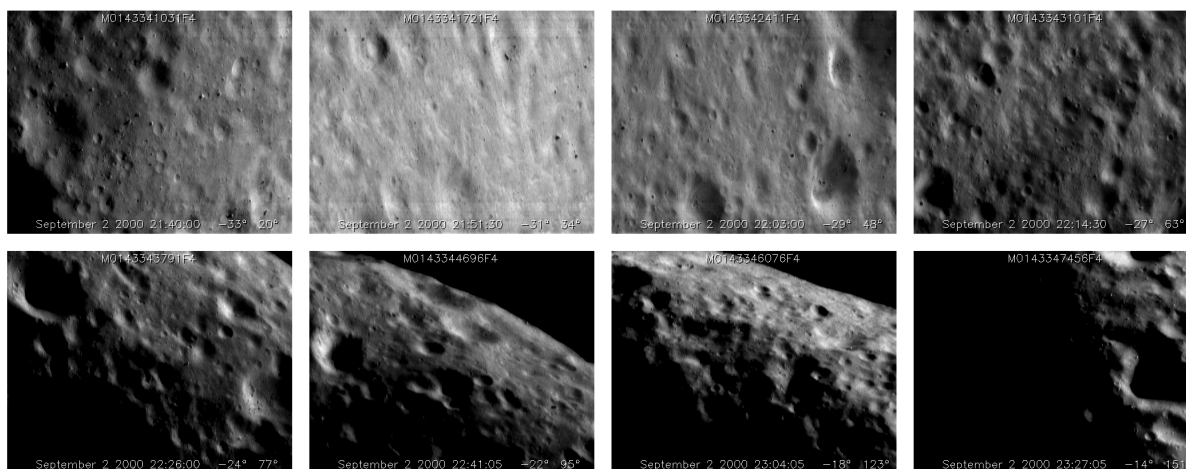
Sequence ID: 30

Filter: 4

Number of Images: 187

Calibration: MSICLEAN

Compression: table5



433 Eros

FeatureTrack_247a

Day of Year: 247 2000

Date: September 3, 2000

MET Range: 0143349731-0143353003

Orbit: 100 x 51

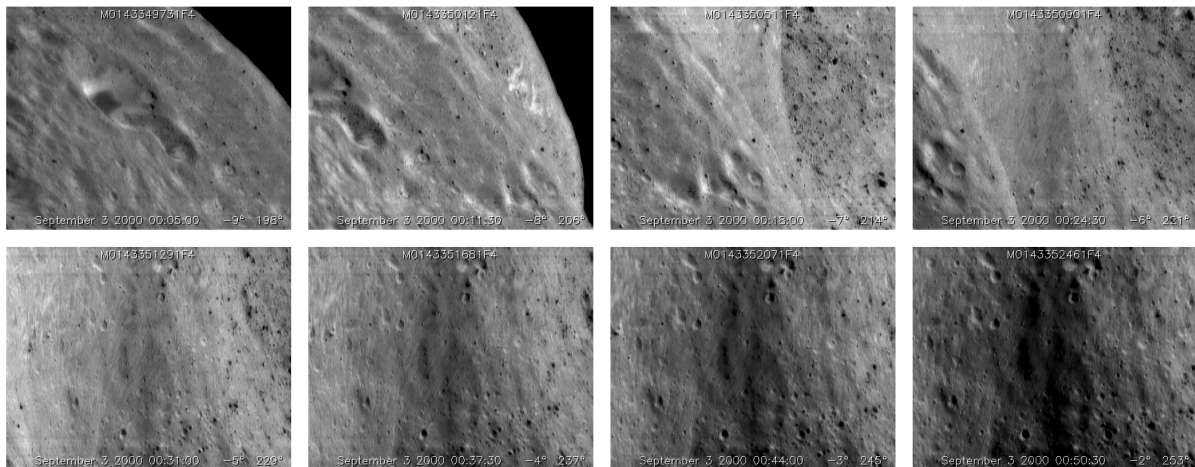
Sequence ID: 30

Filter: 4

Number of Images: 110

Calibration: MSICLEAN

Compression: table5



MSI_Flyover_255

Day of Year: 255 2000

Date: September 11, 2000

MET Range: 0144055632-0144058847

Orbit: 100 x 100

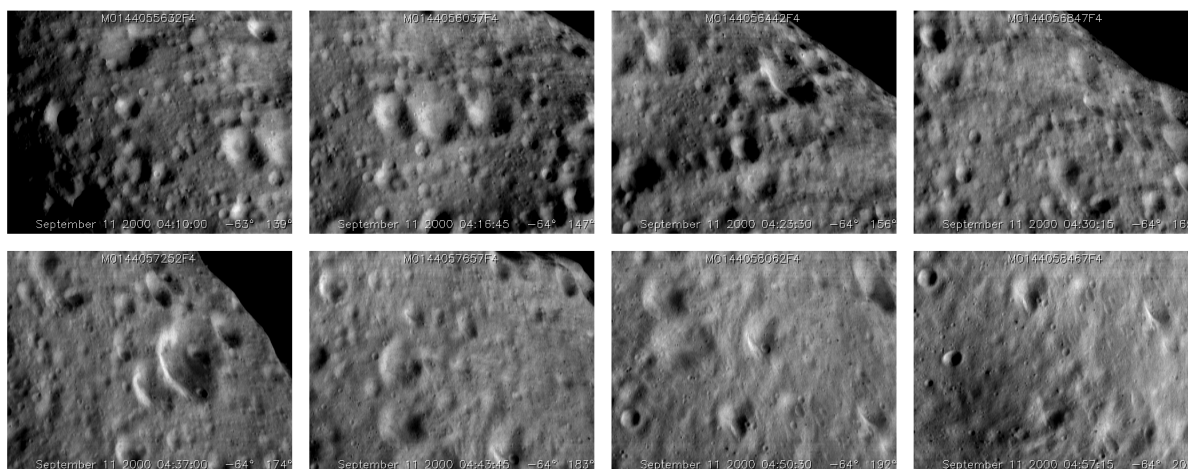
Sequence ID: 30

Filter: 4

Number of Images: 120

Calibration: MSICLEAN

Compression: table5



433 Eros

FeatureTrack_255a

Day of Year: 255 2000

Date: September 11, 2000

MET Range: 0144109842-0144117516

Orbit: 100 x 100

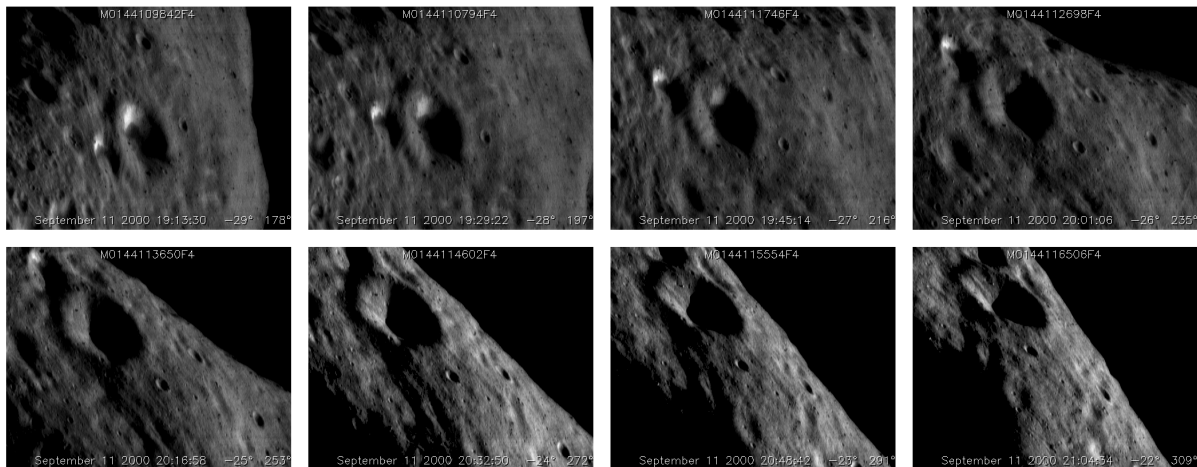
Sequence ID: 30

Filter: 4

Number of Images: 275

Calibration: MSICLEAN

Compression: table5



FeatureTrack_256a

Day of Year: 256 2000

Date: September 12, 2000

MET Range: 0144140142-0144142048

Orbit: 100 x 100

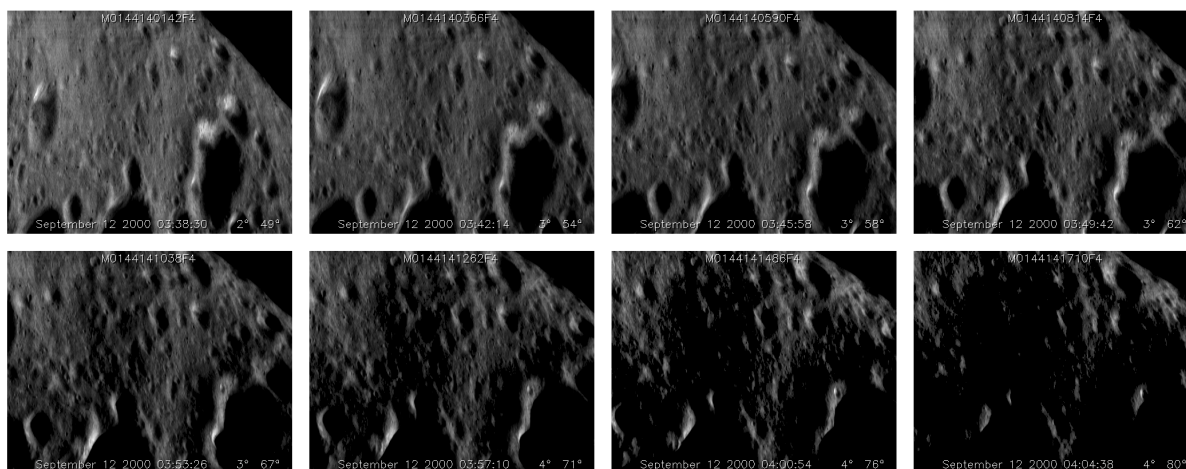
Sequence ID: 30

Filter: 4

Number of Images: 69

Calibration: MSICLEAN

Compression: table5



433 Eros

FeatureTrack_257a

Day of Year: 257 2000

Date: September 13, 2000

MET Range: 0144261402-0144262356

Orbit: 100 x 100

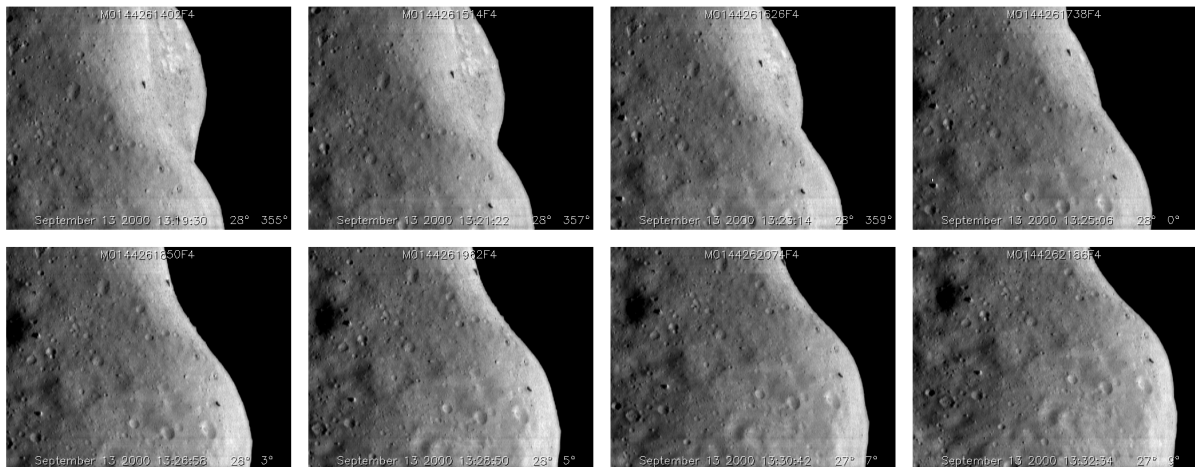
Sequence ID: 30

Filter: 4

Number of Images: 35

Calibration: MSICLEAN

Compression: table5



FeatureTrack_258a

Day of Year: 258 2000

Date: September 14, 2000

MET Range: 0144375538-0144376716

Orbit: 100 x 100

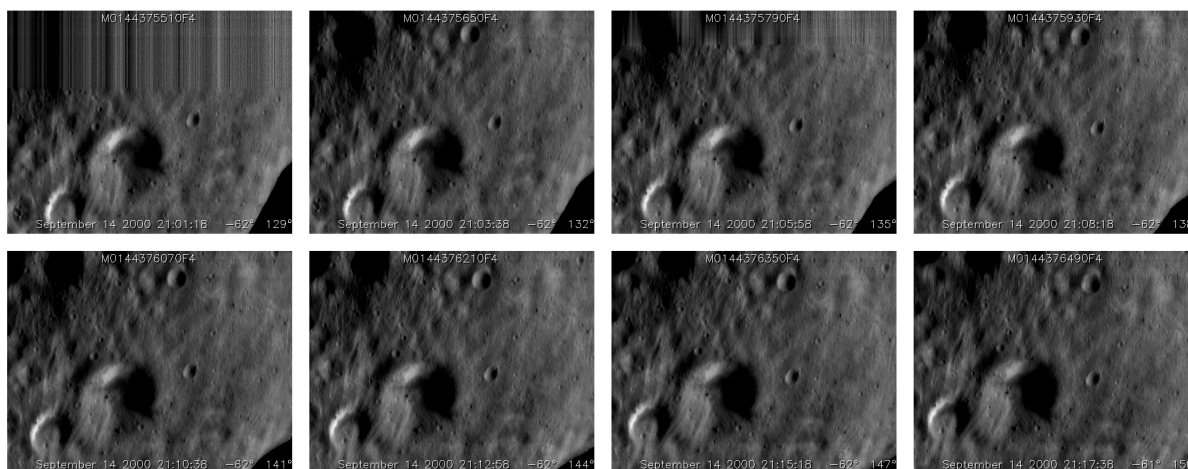
Sequence ID: 30

Filter: 4

Number of Images: 43

Calibration: MSICLEAN

Compression: table5



433 Eros

FeatureTrack_259a

Day of Year: 259 2000

Date: September 15, 2000

MET Range: 0144393942-0144395848

Orbit: 100 x 100

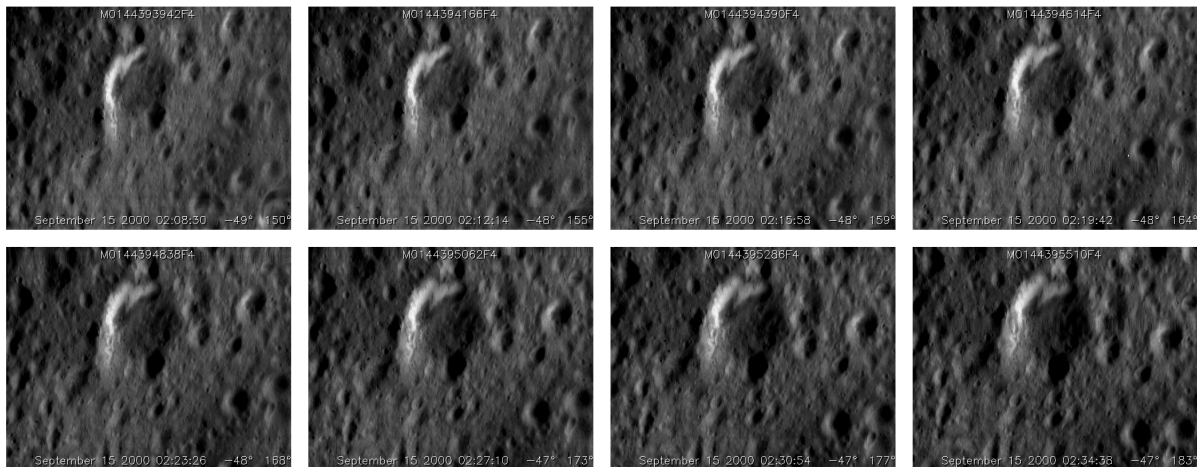
Sequence ID: 30

Filter: 4

Number of Images: 69

Calibration: MSICLEAN

Compression: table5



FeatureTrack_259b

Day of Year: 259 2000

Date: September 15, 2000

MET Range: 0144459318-0144462736

Orbit: 100 x 100

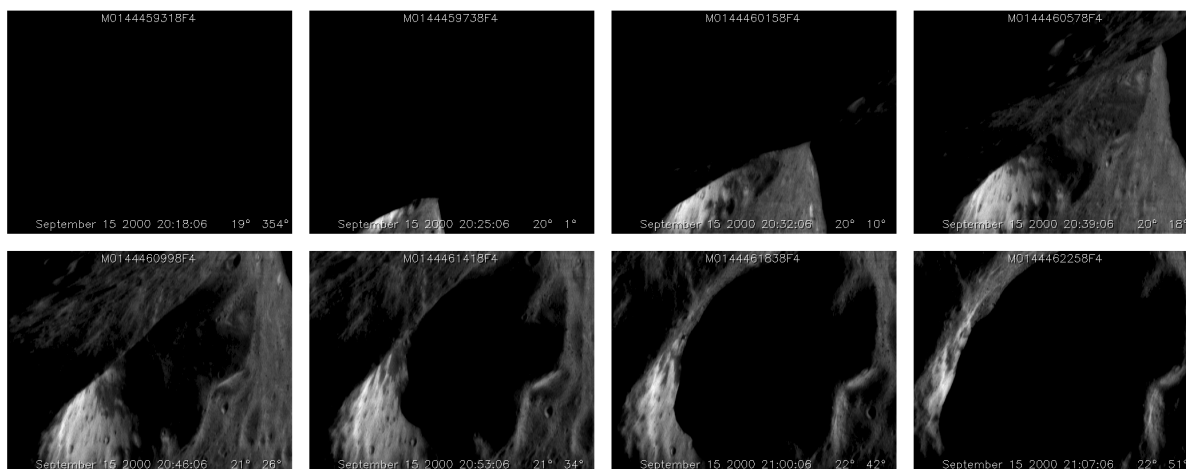
Sequence ID: 30

Filter: 4

Number of Images: 123

Calibration: MSICLEAN

Compression: table5



433 Eros

FeatureTrack_260a

Day of Year: 260 2000

Date: September 16, 2000

MET Range: 0144483942-0144488536

Orbit: 100 x 100

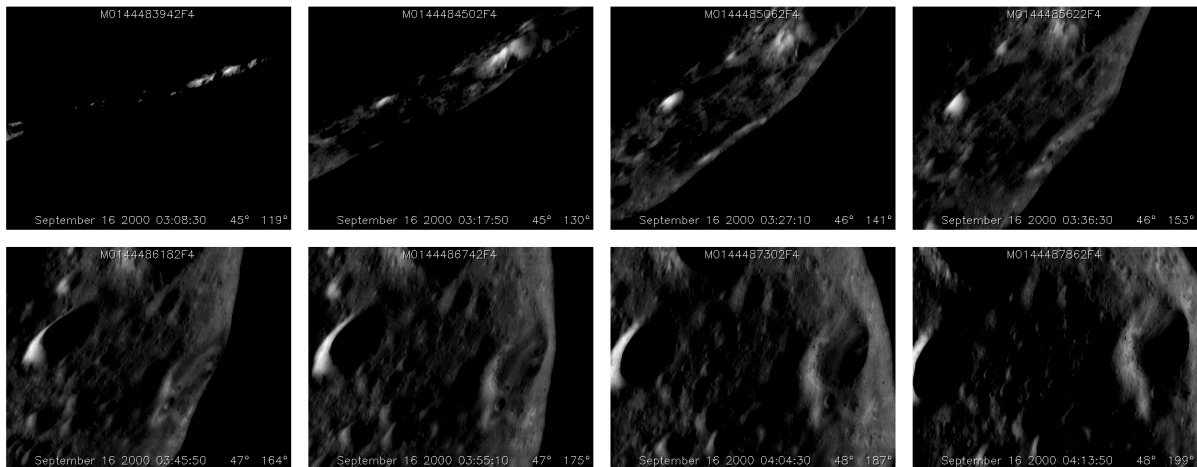
Sequence ID: 30

Filter: 4

Number of Images: 165

Calibration: MSICLEAN

Compression: table5



MSI_LimbScan_263a

Day of Year: 263 2000

Date: September 19, 2000

MET Range: 0144733632-0144739056

Orbit: 100 x 100

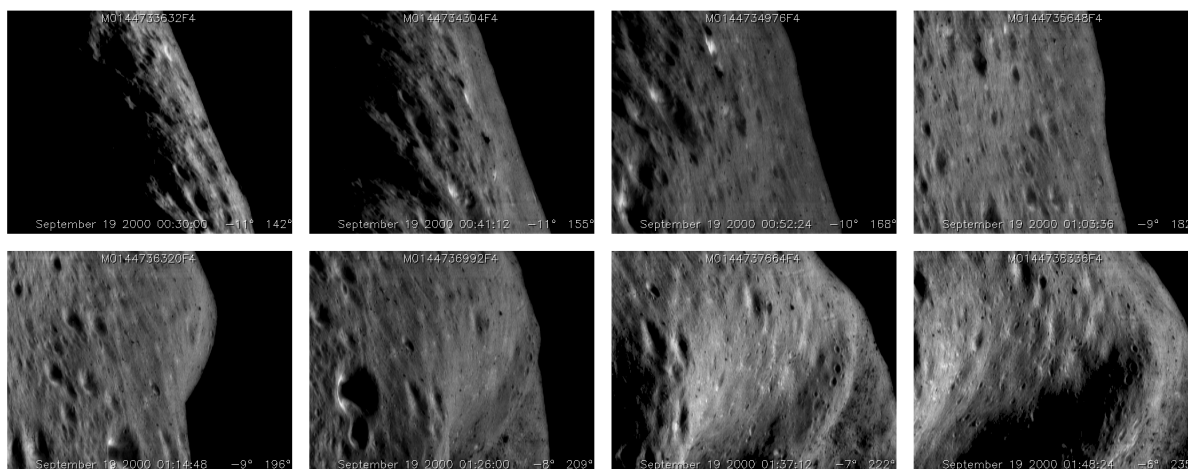
Sequence ID: 18

Filter: 4

Number of Images: 340

Calibration: MSICAL

Compression: table5



433 Eros

MSI_LimbScan_263b

Day of Year: 263 2000

Date: September 19, 2000

MET Range: 0144744432-0144747616

Orbit: 100 x 100

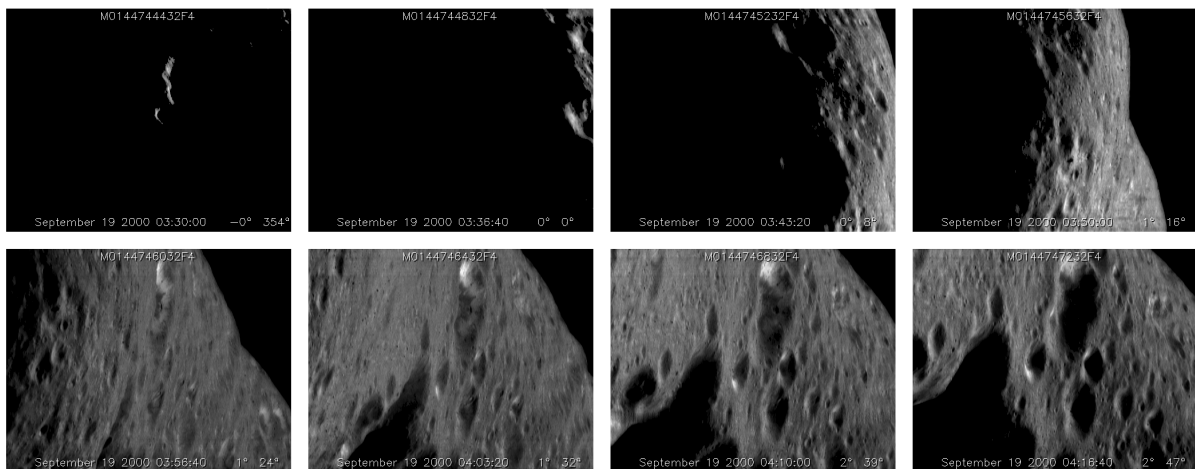
Sequence ID: 18

Filter: 4

Number of Images: 200

Calibration: MSICAL

Compression: table5



MSI_Flyover_264

Day of Year: 264 2000

Date: September 20, 2000

MET Range: 0144826632-0144828770

Orbit: 100 x 100

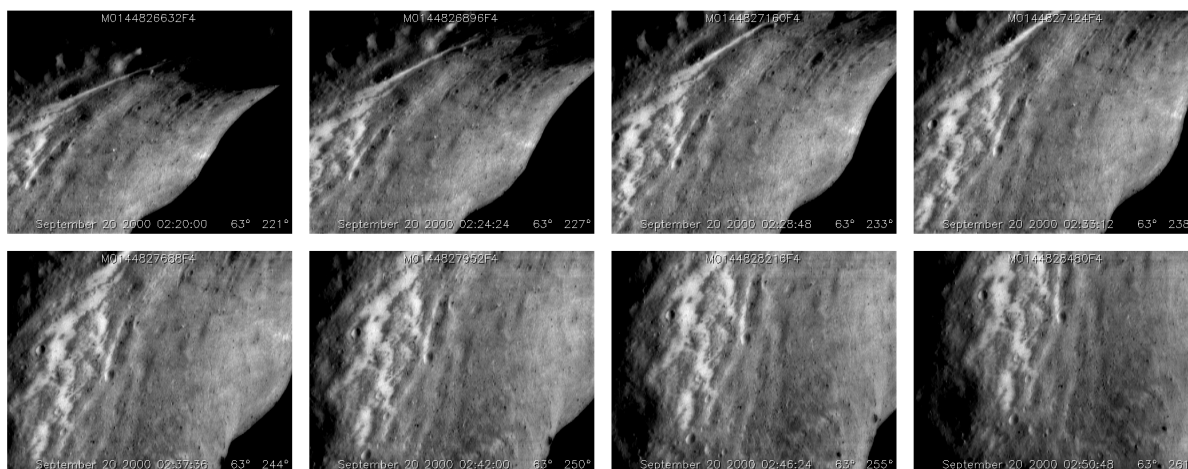
Sequence ID: 30

Filter: 4

Number of Images: 90

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_FeatureTrack_266

Day of Year: 266 2000

Date: September 22, 2000

MET Range: 0145005432-0145008404

Orbit: 100 x 100

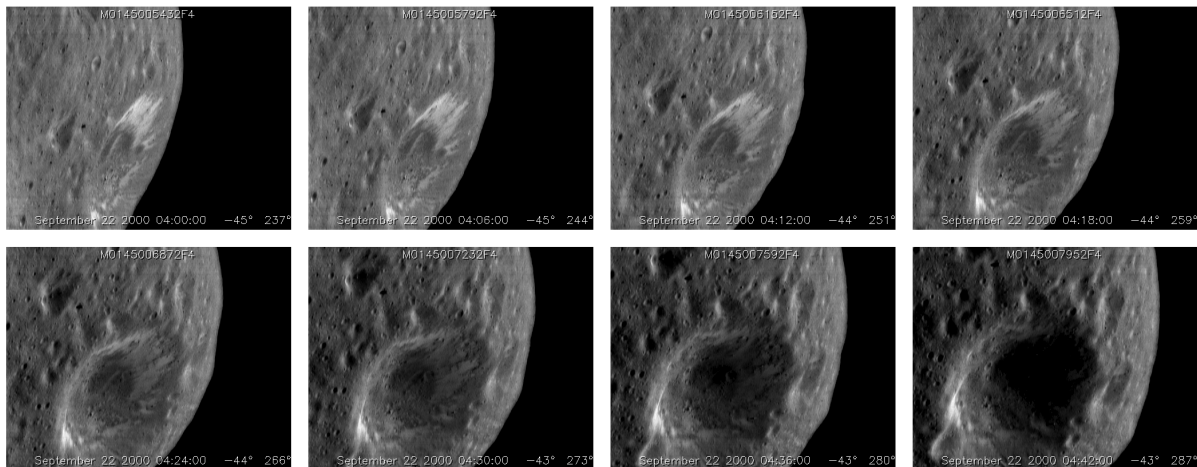
Sequence ID: 30

Filter: 4

Number of Images: 100

Calibration: MSICLEAN

Compression: table5



MSI_LimbScan_266

Day of Year: 266 2000

Date: September 22, 2000

MET Range: 0145066332-0145073318

Orbit: 100 x 100

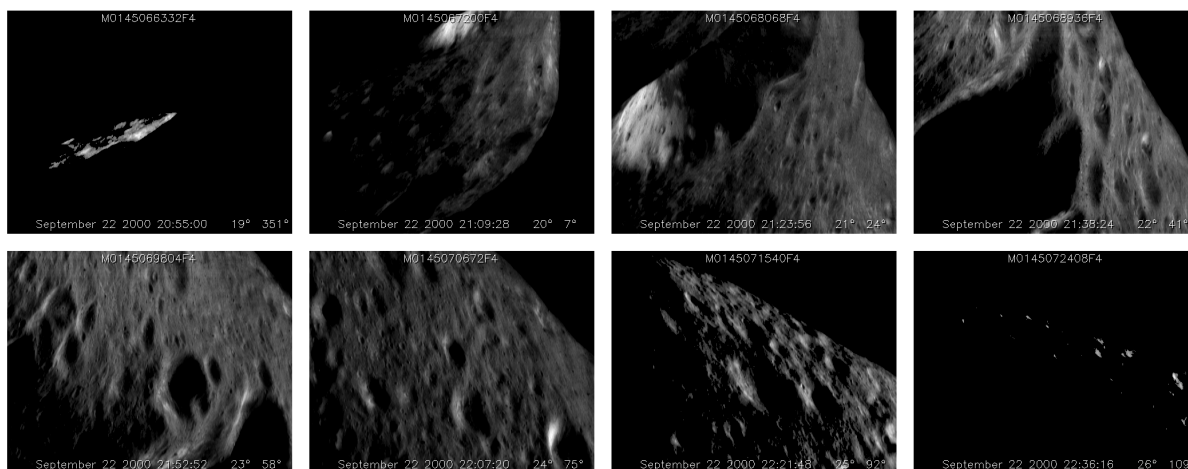
Sequence ID: 18

Filter: 4

Number of Images: 500

Calibration: MSICAL

Compression: lossless



433 Eros

MSI_Flyover_267

Day of Year: 267 2000

Date: September 23, 2000

MET Range: 0145125132-0145146372

Orbit: 100 x 100

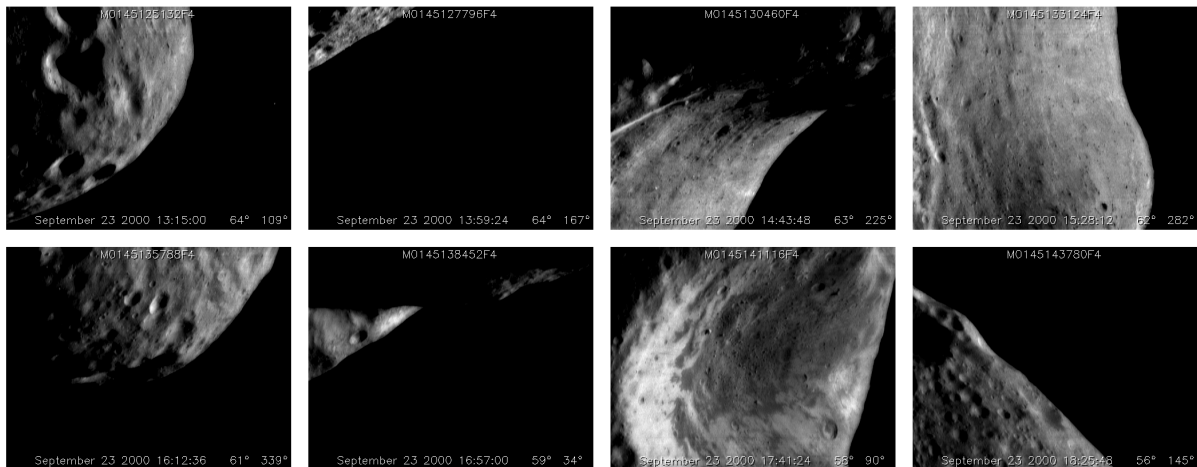
Sequence ID: 30

Filter: 4

Number of Images: 575

Calibration: MSICLEAN

Compression: table5



FeatureTrack_269a

Day of Year: 269 2000

Date: September 25, 2000

MET Range: 0145317642-0145333147

Orbit: 100 x 100

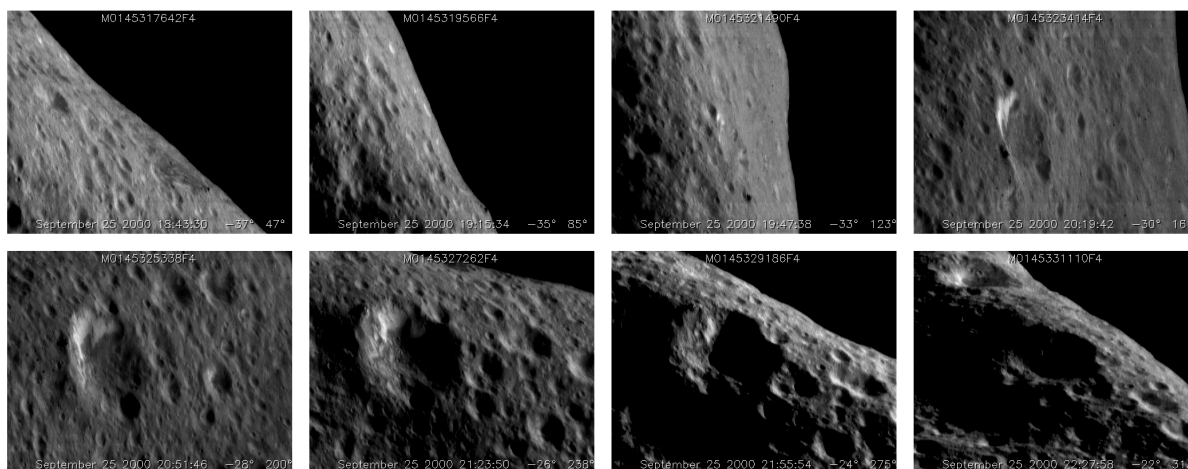
Sequence ID: 30

Filter: 4

Number of Images: 420

Calibration: MSICLEAN

Compression: table5



FeatureTrack_270e

Day of Year: 270 2000

Date: September 26, 2000

MET Range: 0145387432-0145391004

Orbit: 100 x 100

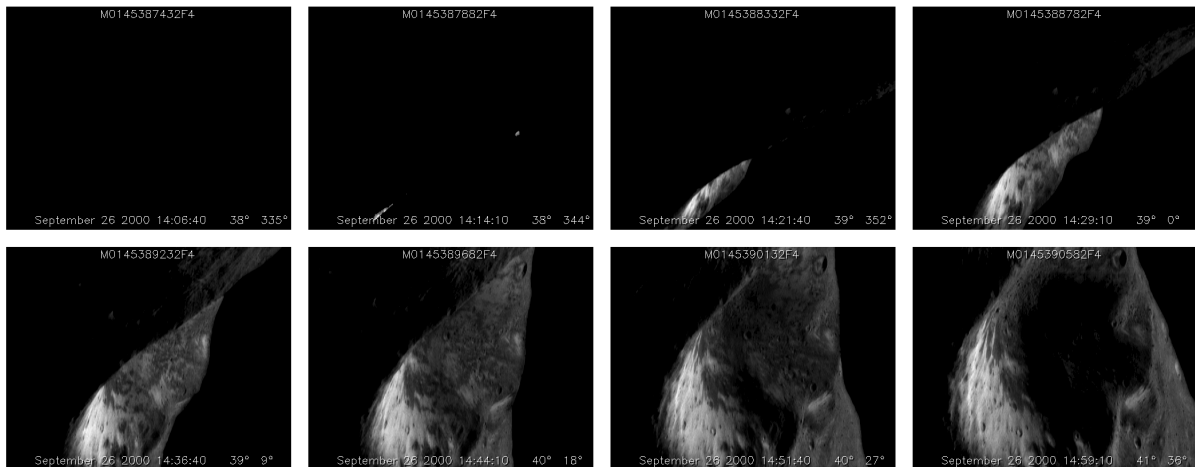
Sequence ID: 30

Filter: 4

Number of Images: 120

Calibration: MSICLEAN

Compression: table5



FeatureTrack_270a

Day of Year: 270 2000

Date: September 26, 2000

MET Range: 0145395532-0145399374

Orbit: 100 x 100

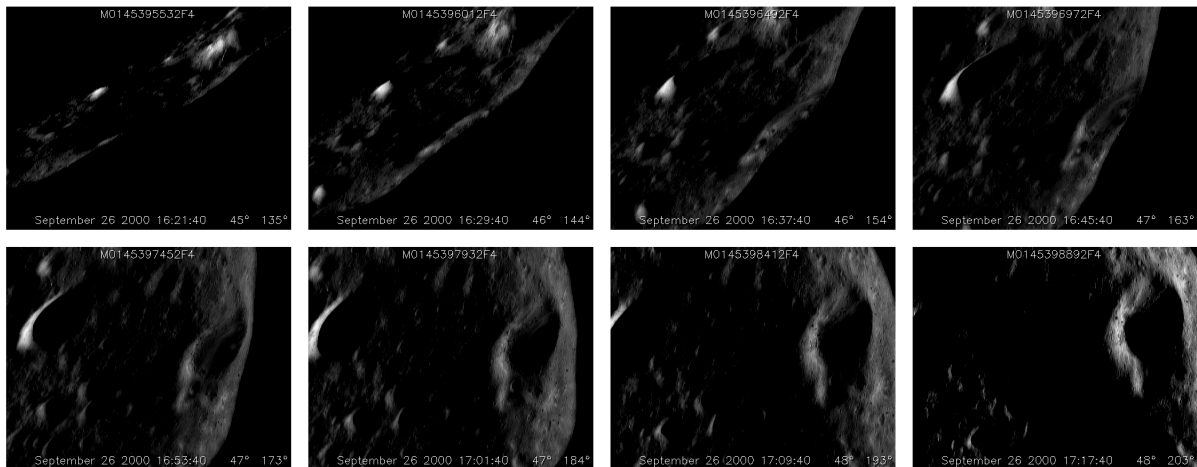
Sequence ID: 30

Filter: 4

Number of Images: 65

Calibration: MSICLEAN

Compression: table5



433 Eros

FeatureTrack_270b

Day of Year: 270 2000

Date: September 26, 2000

MET Range: 0145399792-0145403034

Orbit: 100 x 100

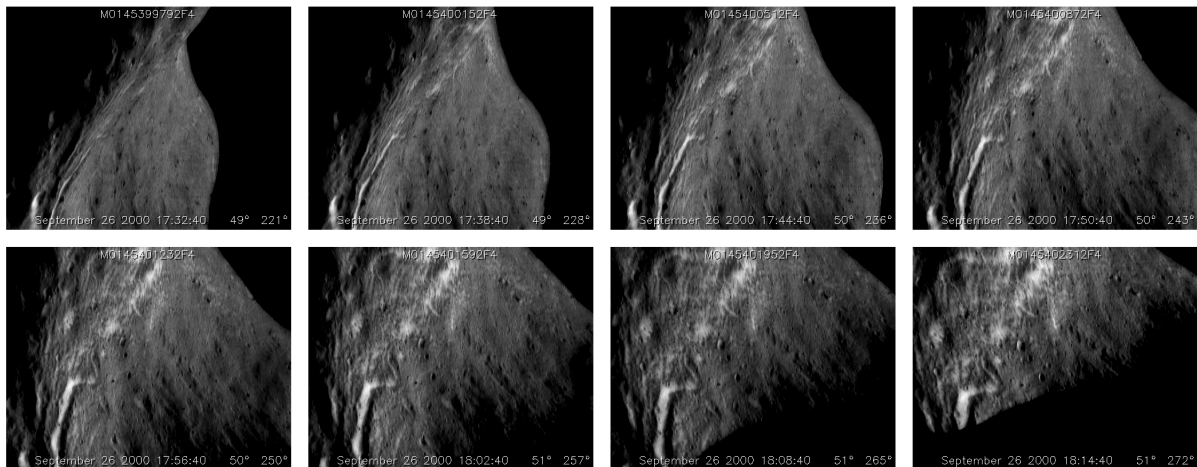
Sequence ID: 30

Filter: 4

Number of Images: 55

Calibration: MSICLEAN

Compression: table5



FeatureTrack_270c

Day of Year: 270 2000

Date: September 26, 2000

MET Range: 0145403572-0145406814

Orbit: 100 x 100

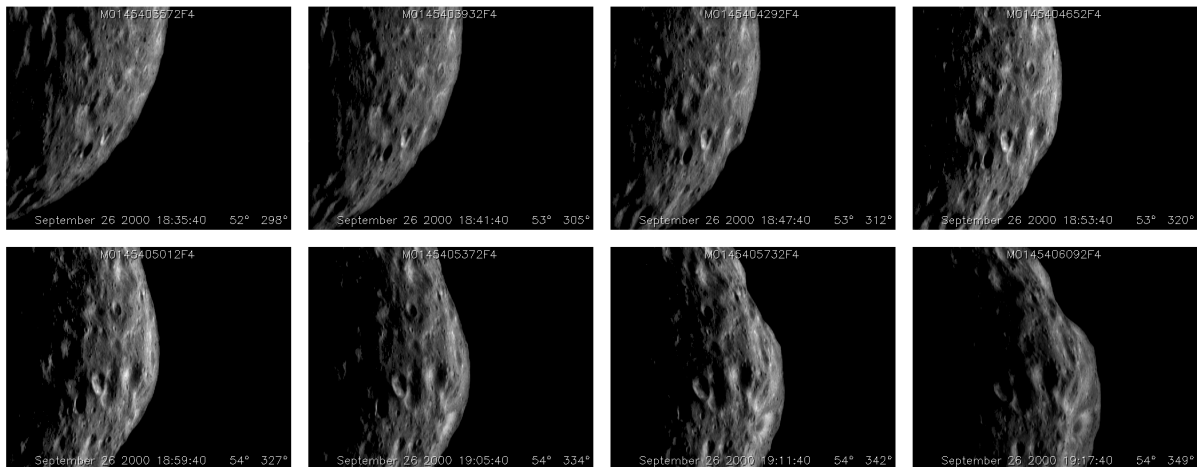
Sequence ID: 30

Filter: 4

Number of Images: 55

Calibration: MSICLEAN

Compression: table5



FeatureTrack_270d

Day of Year: 270 2000

Date: September 26, 2000

MET Range: 0145407352-0145408794

Orbit: 100 x 100

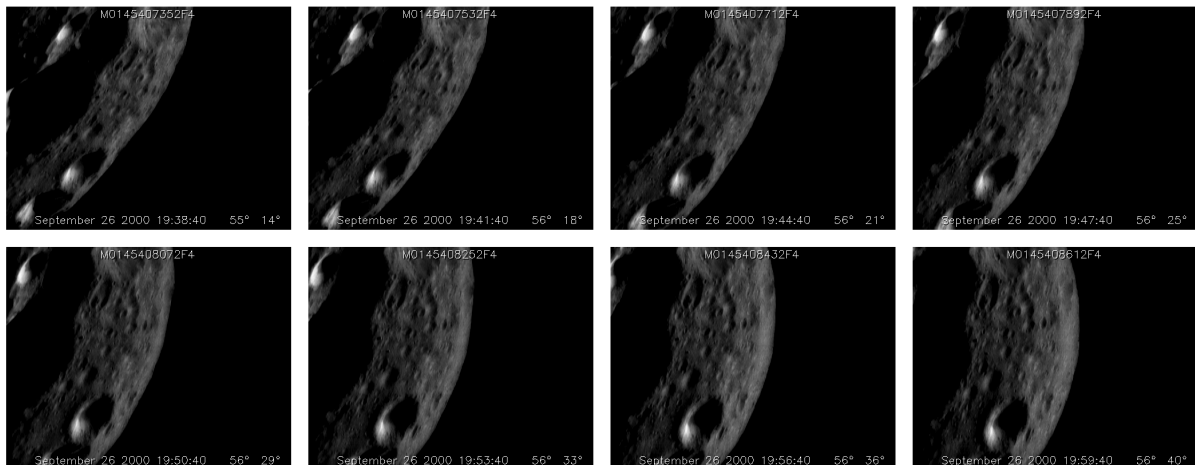
Sequence ID: 30

Filter: 4

Number of Images: 25

Calibration: MSICLEAN

Compression: table5



FeatureTrack_271a

Day of Year: 271 2000

Date: September 27, 2000

MET Range: 0145458042-0145462731

Orbit: 100 x 100

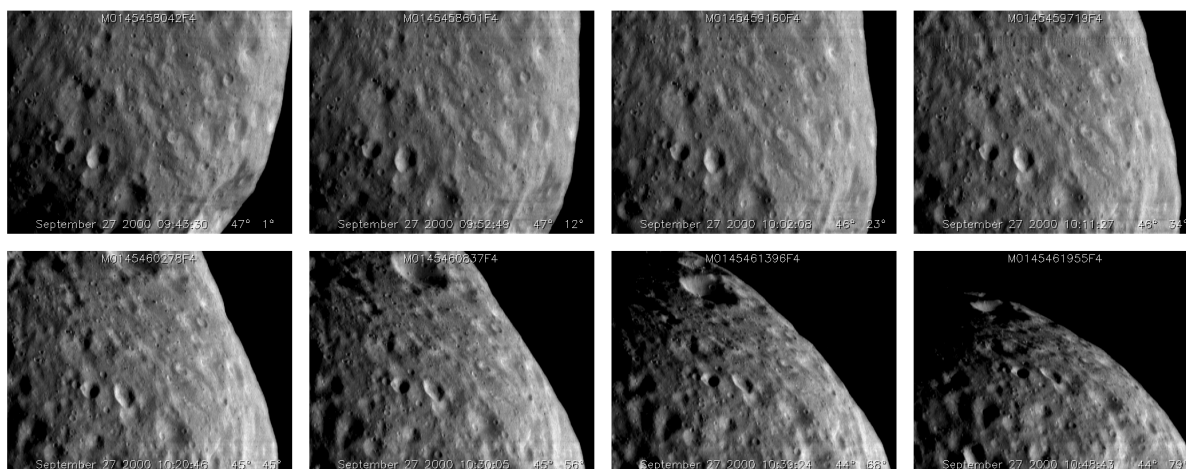
Sequence ID: 30

Filter: 4

Number of Images: 110

Calibration: MSICLEAN

Compression: table5



433 Eros

nlr_1

Day of Year: 273 2000

Date: September 29, 2000

MET Range: 0145599432-0145617412

Orbit: 100 x 100

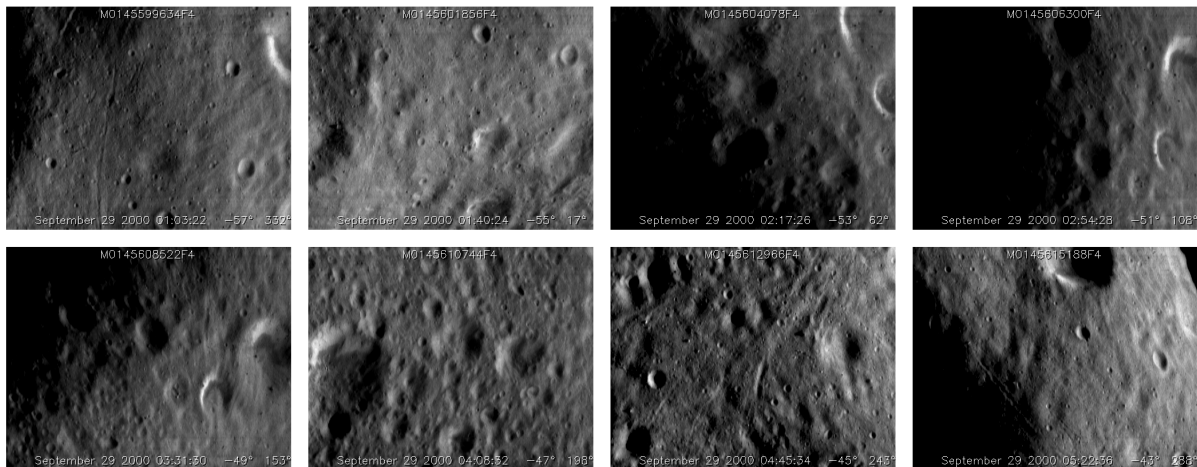
Sequence ID: 30

Filter: 4

Number of Images: 90

Calibration: MSICLEAN

Compression: table5



nlr_5

Day of Year: 273 2000

Date: September 29, 2000

MET Range: 0145620132-0145644070

Orbit: 100 x 100

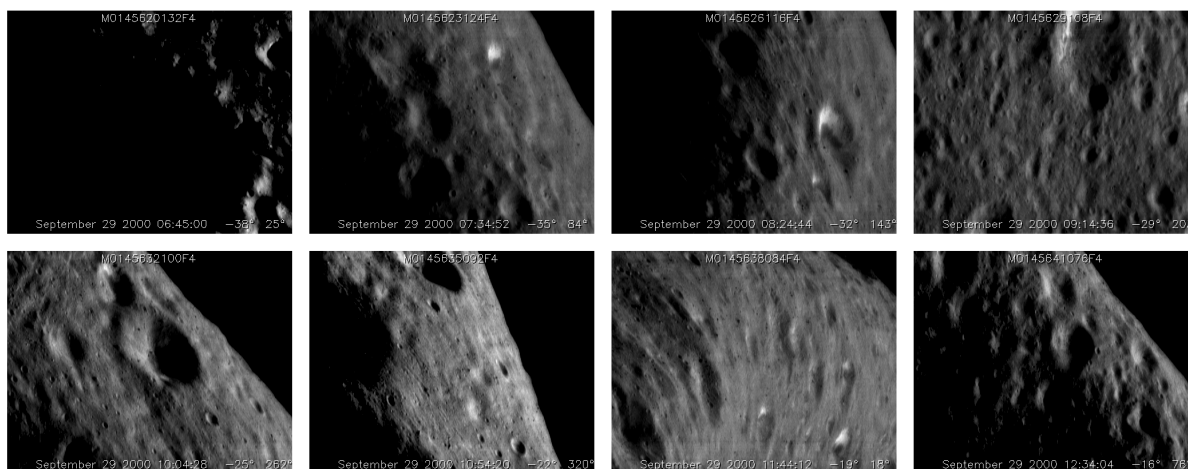
Sequence ID: 30

Filter: 4

Number of Images: 177

Calibration: MSICLEAN

Compression: table5



433 Eros

nlr_11

Day of Year: 273 2000

Date: September 29, 2000

MET Range: 0145647832-0145649794

Orbit: 100 x 100

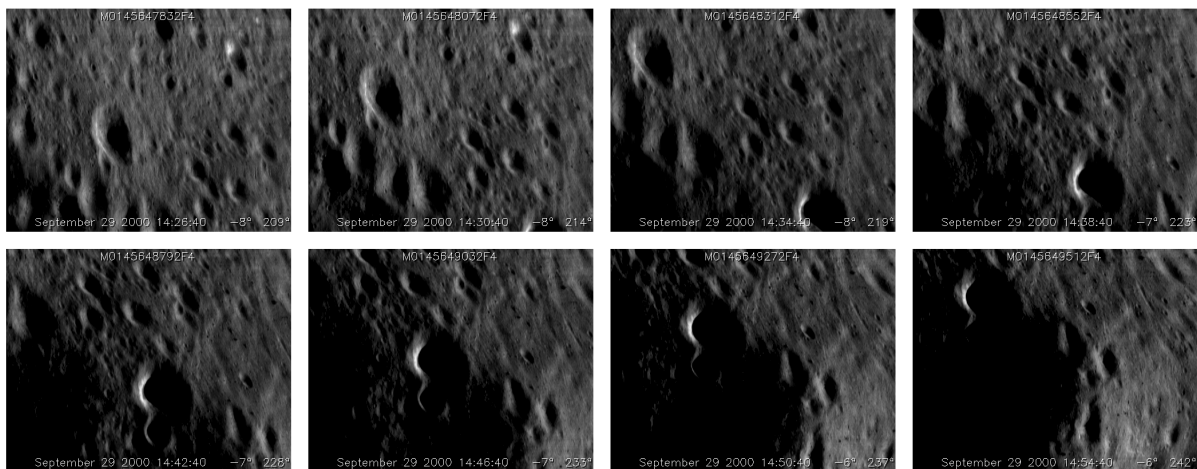
Sequence ID: 30

Filter: 4

Number of Images: 50

Calibration: MSICLEAN

Compression: table5



nlr_12

Day of Year: 273 2000

Date: September 29, 2000

MET Range: 0145657432-0145659994

Orbit: 100 x 100

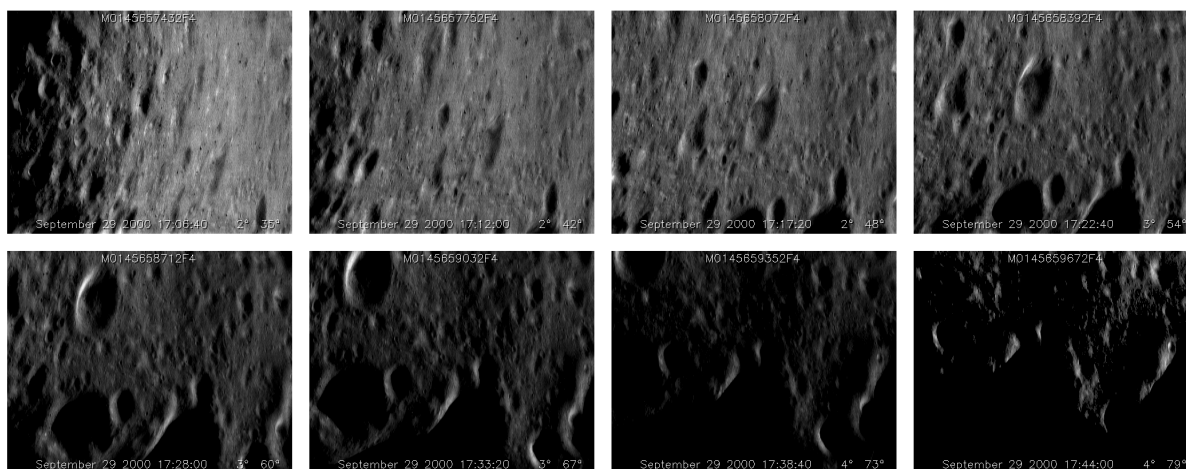
Sequence ID: 30

Filter: 4

Number of Images: 65

Calibration: MSICLEAN

Compression: table5



433 Eros

FeatureTrack_274a

Day of Year: 274 2000

Date: September 30, 2000

MET Range: 0145736142-0145740104

Orbit: 100 x 100

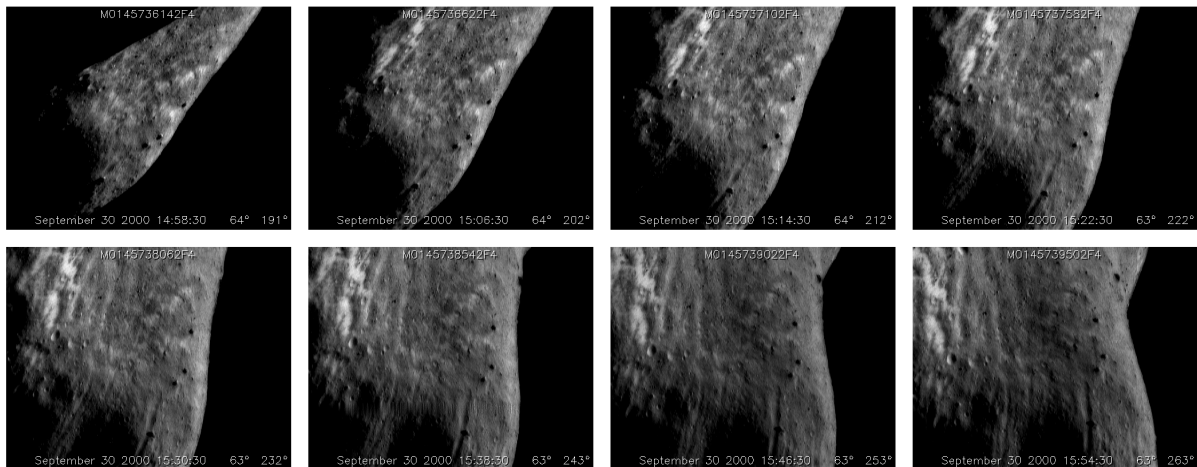
Sequence ID: 30

Filter: 4

Number of Images: 100

Calibration: MSICLEAN

Compression: table5



FeatureTrack_274d

Day of Year: 274 2000

Date: September 30, 2000

MET Range: 0145740532-0145743694

Orbit: 100 x 100

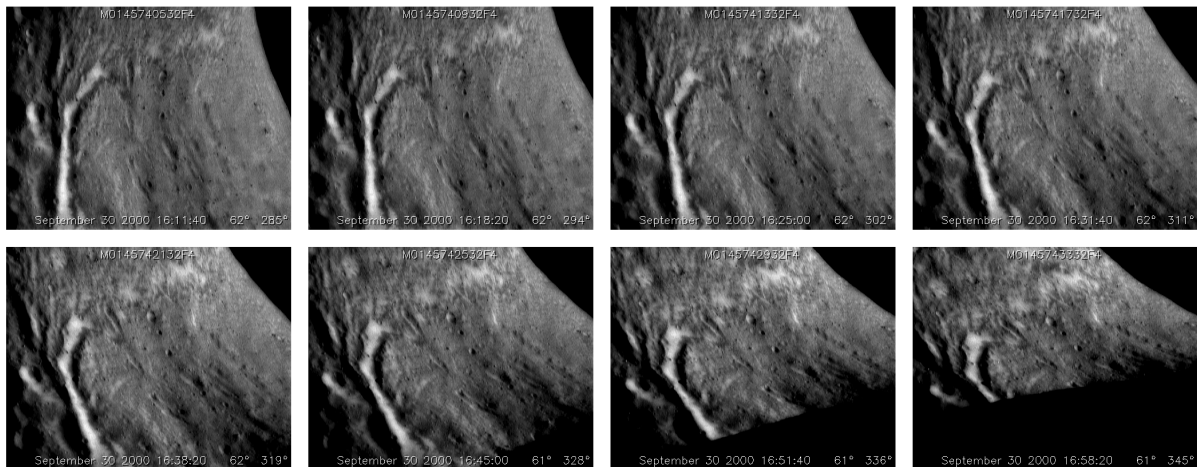
Sequence ID: 30

Filter: 4

Number of Images: 80

Calibration: MSICLEAN

Compression: table5



FeatureTrack_274c

Day of Year: 274 2000

Date: September 30, 2000

MET Range: 0145752822-0145759104

Orbit: 100 x 100

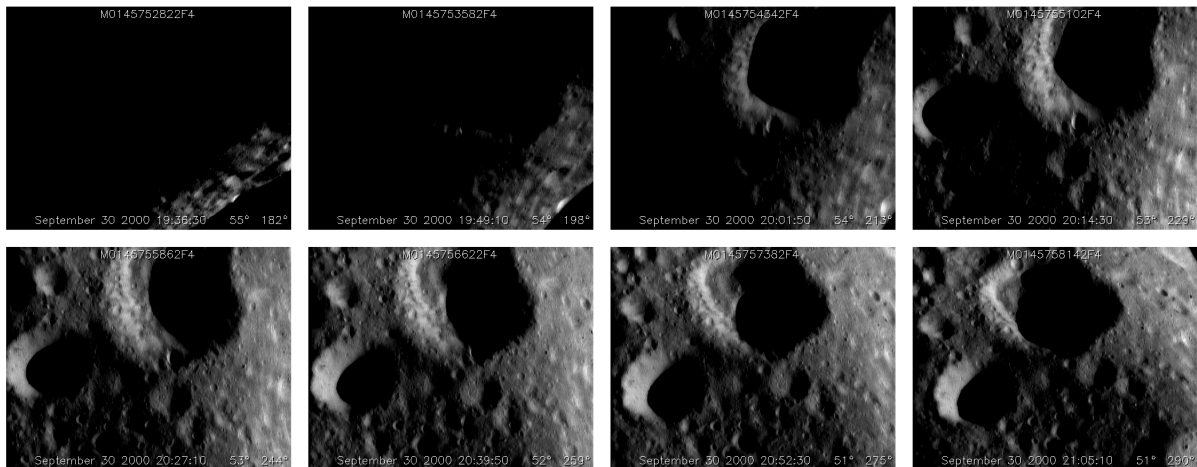
Sequence ID: 30

Filter: 4

Number of Images: 158

Calibration: MSICLEAN

Compression: table5



MSI_FeatureTrack_280

Day of Year: 280 2000

Date: October 6, 2000

MET Range: 0146224932-0146245759

Orbit: 100 x 100

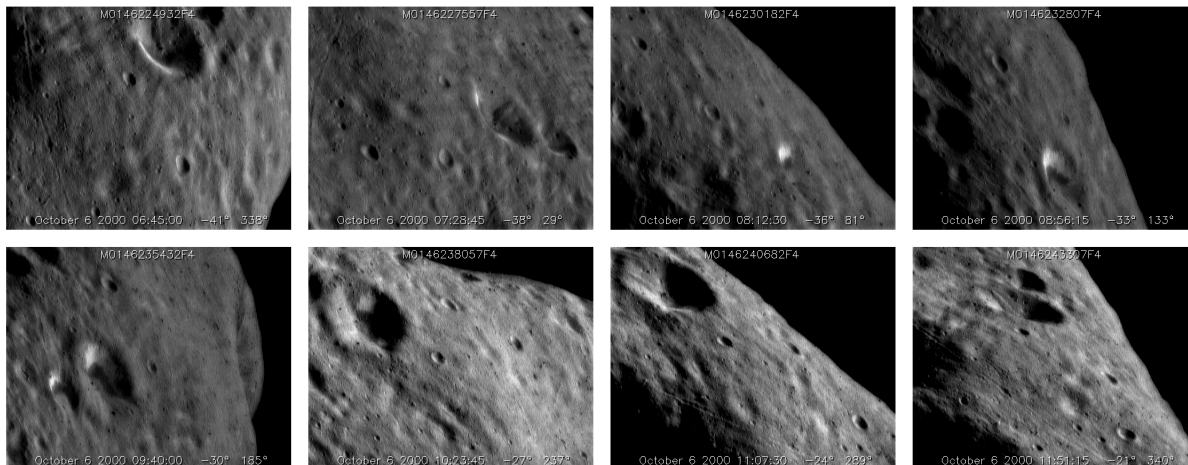
Sequence ID: 30

Filter: 4

Number of Images: 120

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_LimbScan_281

Day of Year: 281 2000

Date: October 7, 2000

MET Range: 0146309232-0146313106

Orbit: 100 x 100

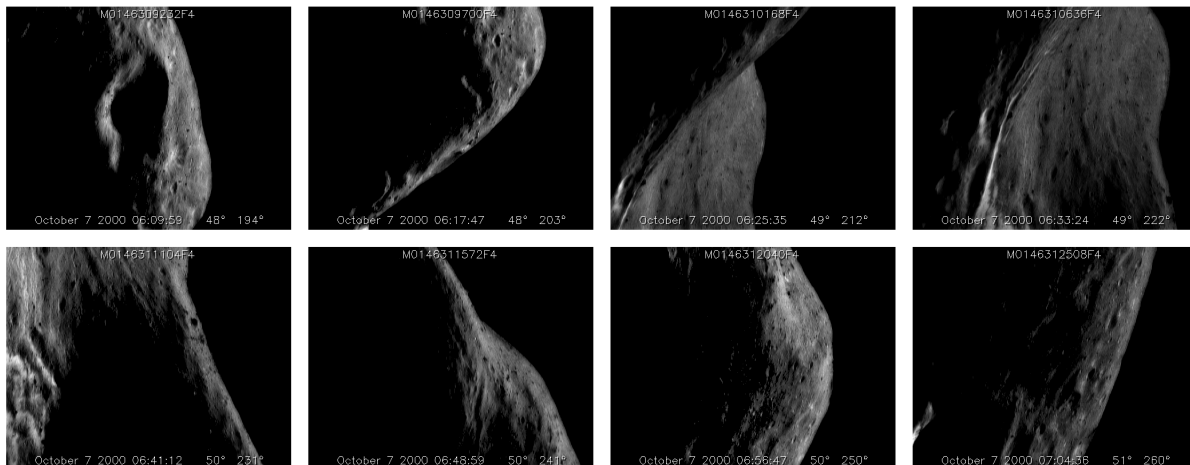
Sequence ID: 18

Filter: 4

Number of Images: 150

Calibration: MSICAL

Compression: table5



MSI_FeatureTrack_281

Day of Year: 281 2000

Date: October 7, 2000

MET Range: 0146325432-0146332859

Orbit: 100 x 100

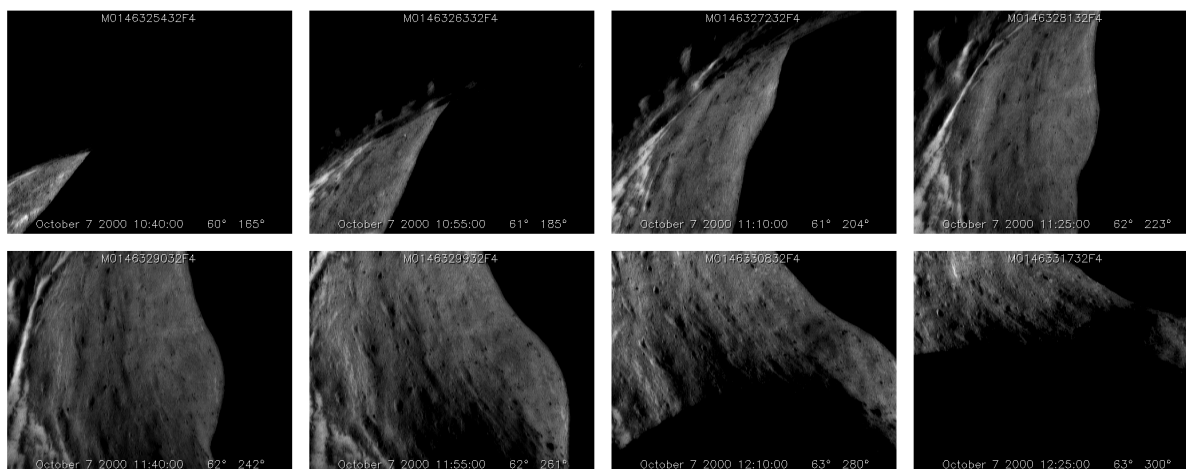
Sequence ID: 30

Filter: 4

Number of Images: 100

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_Flyover_281a

Day of Year: 281 2000

Date: October 7, 2000

MET Range: 0146343432-0146347394

Orbit: 100 x 100

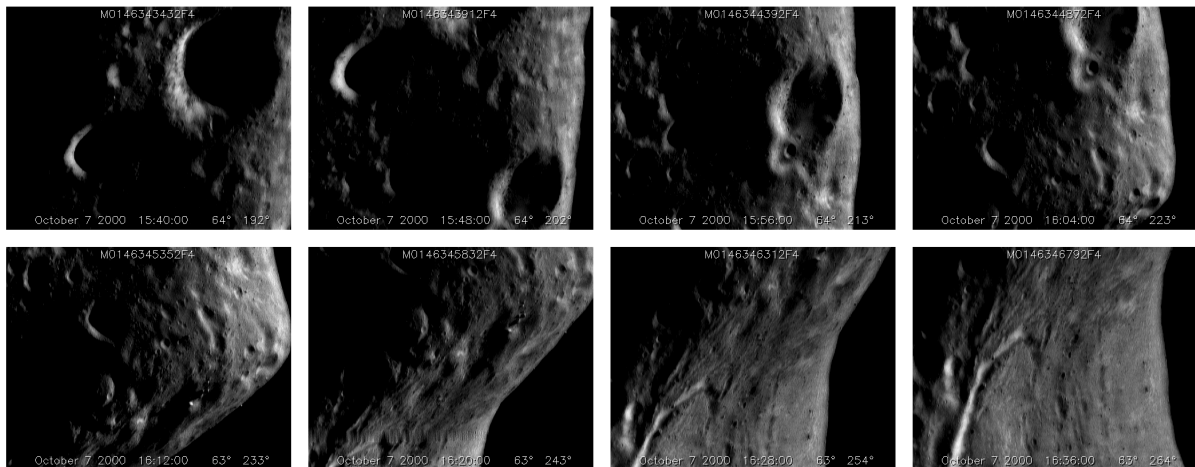
Sequence ID: 30

Filter: 4

Number of Images: 100

Calibration: MSICLEAN

Compression: table5



MSI_Flyover_281b

Day of Year: 281 2000

Date: October 7, 2000

MET Range: 0146348112-0146352074

Orbit: 100 x 100

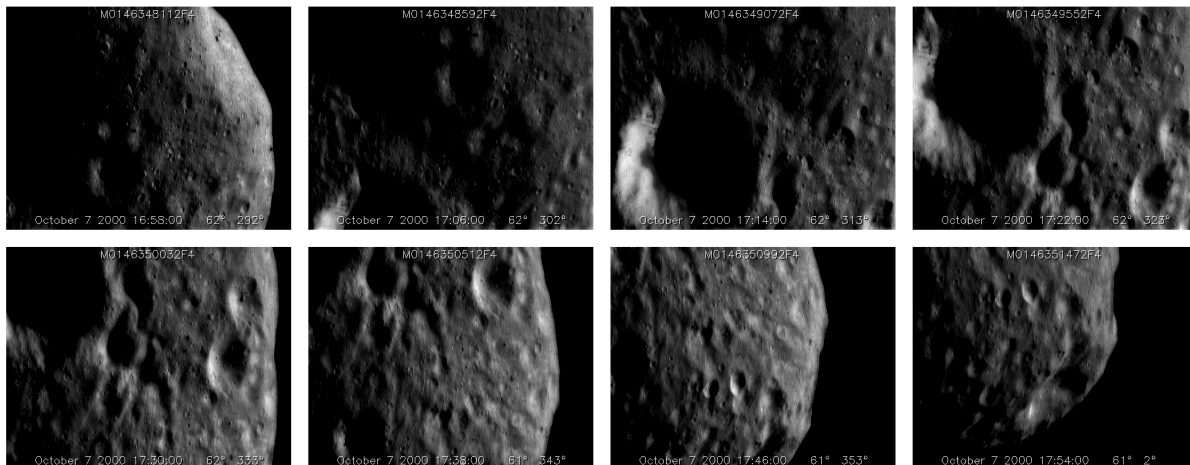
Sequence ID: 30

Filter: 4

Number of Images: 100

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_Flyover_281c

Day of Year: 281 2000

Date: October 7, 2000

MET Range: 0146354832-0146356794

Orbit: 100 x 100

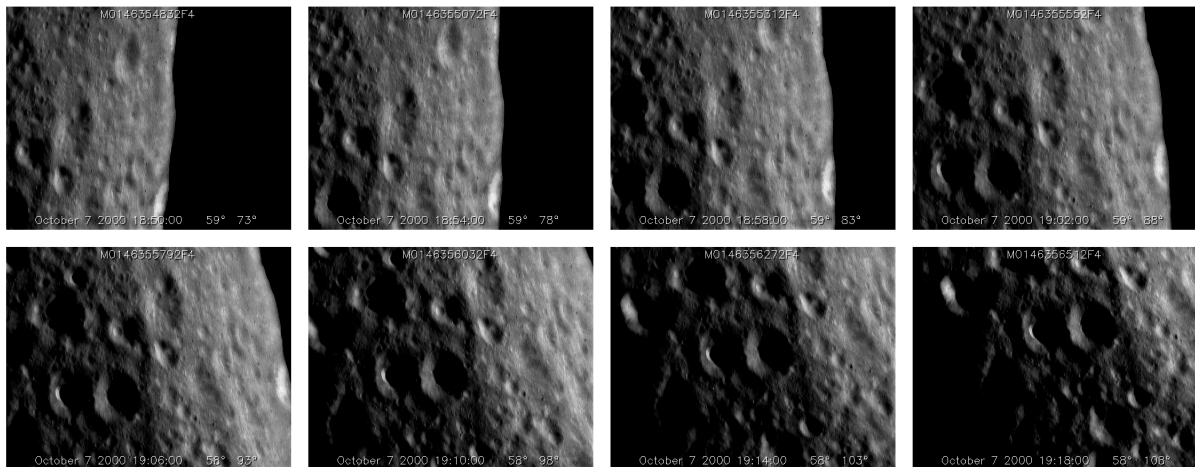
Sequence ID: 30

Filter: 4

Number of Images: 50

Calibration: MSICLEAN

Compression: table5



MSI_Flyover_284

Day of Year: 284 2000

Date: October 10, 2000

MET Range: 0146575032-0146581973

Orbit: 100 x 100

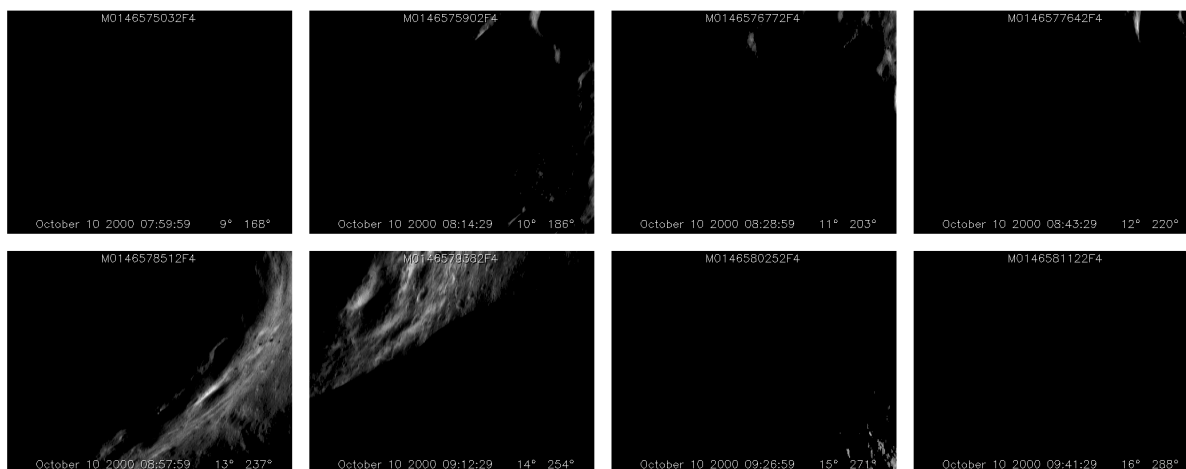
Sequence ID: 18,14

Filter: 4

Number of Images: 232

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_NoseFeatFly_285

Day of Year: 285 2000

Date: October 11, 2000

MET Range: 0146657832-0146668274

Orbit: 100 x 100

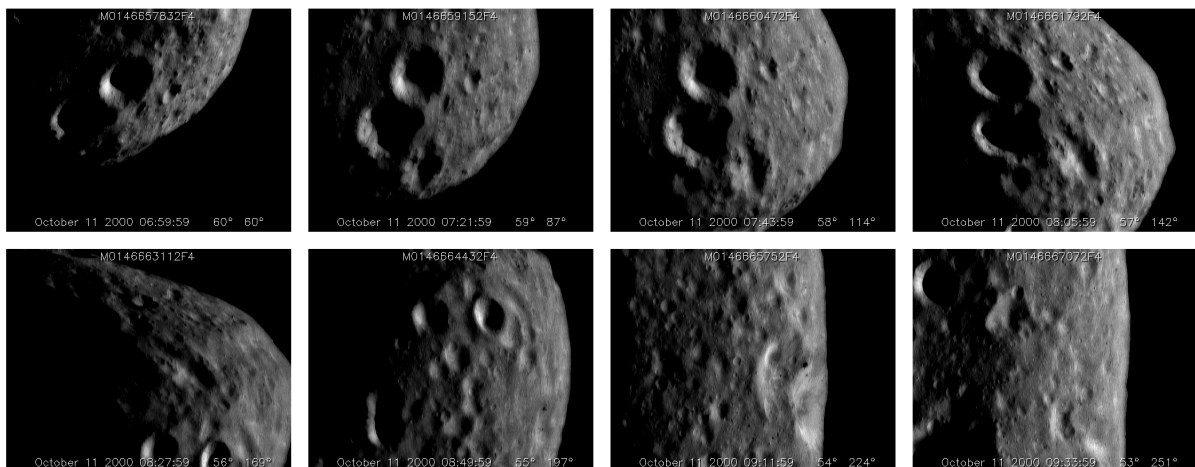
Sequence ID: 30

Filter: 4

Number of Images: 88

Calibration: MSICLEAN

Compression: table5



MSI_FeatureTrack_289a

Day of Year: 289 2000

Date: October 15, 2000

MET Range: 0147003943-0147006465

Orbit: 100 x 50

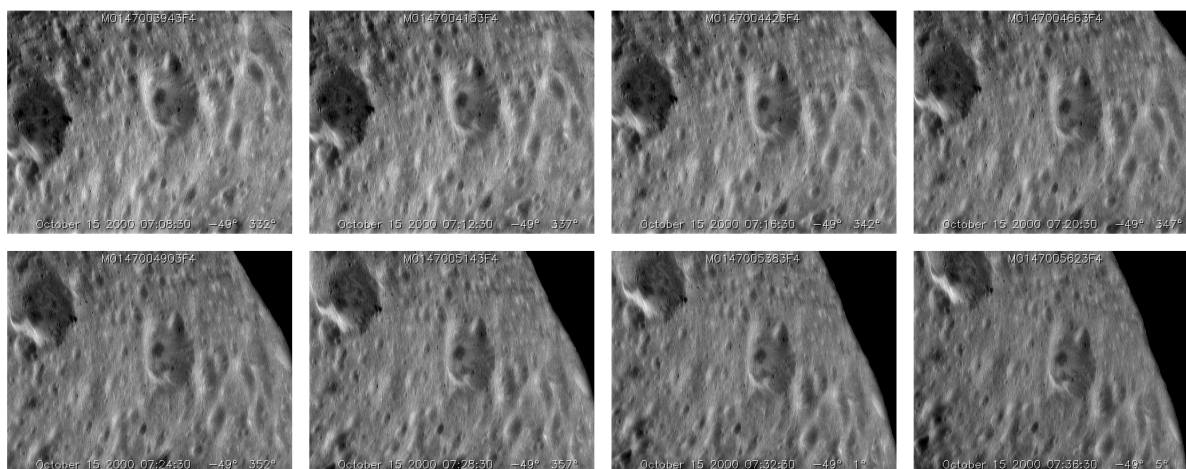
Sequence ID: 30

Filter: 4

Number of Images: 22

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_FeatureTrack_289b

Day of Year: 289 2000

Date: October 15, 2000

MET Range: 0147011143-0147018705

Orbit: 100 x 50

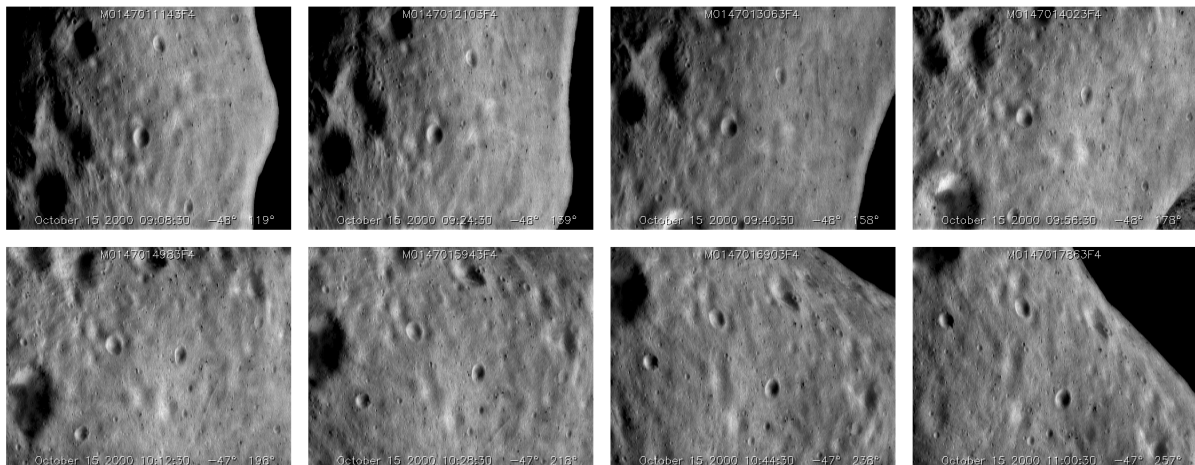
Sequence ID: 9

Filter: 4

Number of Images: 64

Calibration: MSICLEAN

Compression: lossless



MSI_Flyover_289

Day of Year: 289 2000

Date: October 15, 2000

MET Range: 0147019393-0147026475

Orbit: 100 x 50

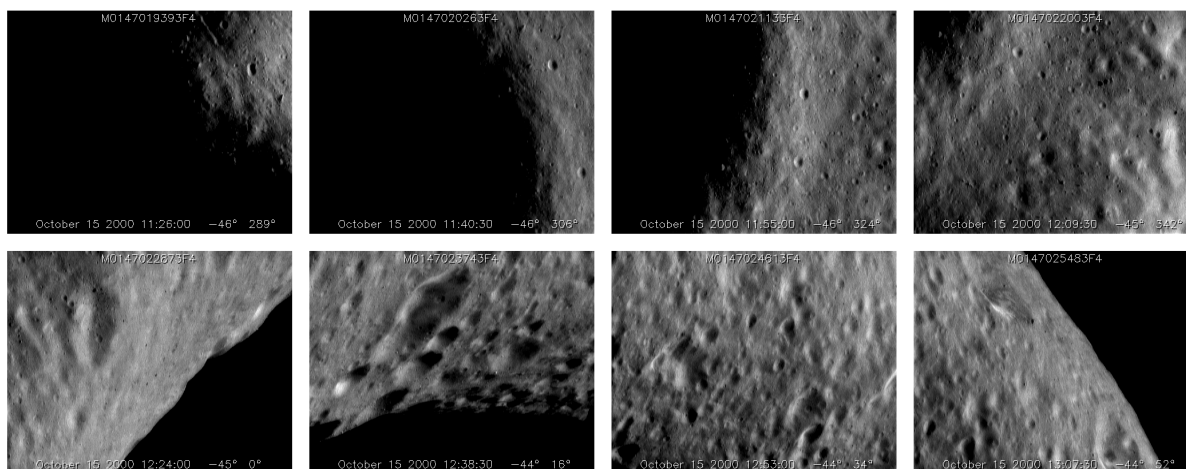
Sequence ID: 30

Filter: 4

Number of Images: 237

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_Flyover_291a

Day of Year: 291 2000

Date: October 17, 2000

MET Range: 0147180433-0147186000

Orbit: 100 x 50

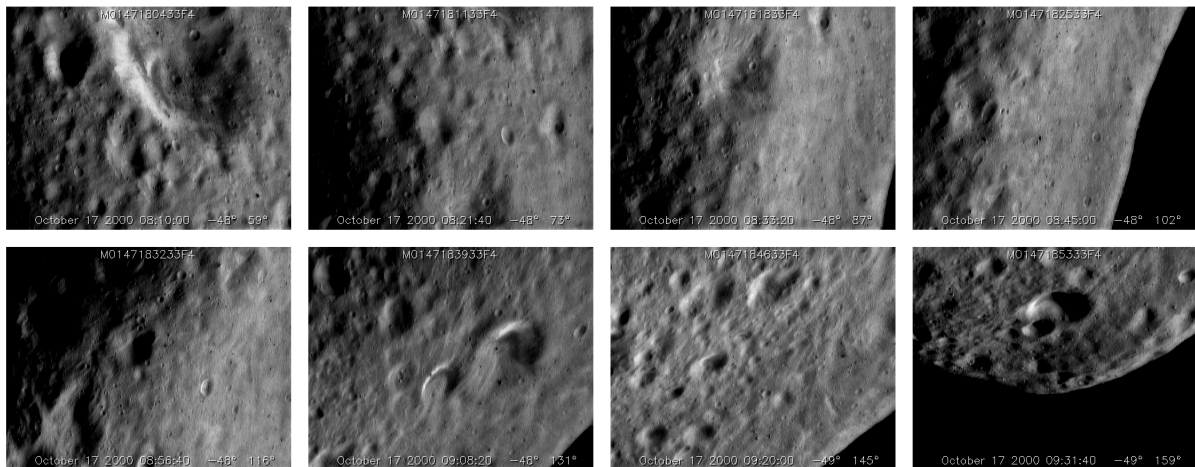
Sequence ID: 30

Filter: 4

Number of Images: 160

Calibration: MSICLEAN

Compression: table5



MSI_Flyover_291b

Day of Year: 291 2000

Date: October 17, 2000

MET Range: 0147218233-0147224595

Orbit: 100 x 50

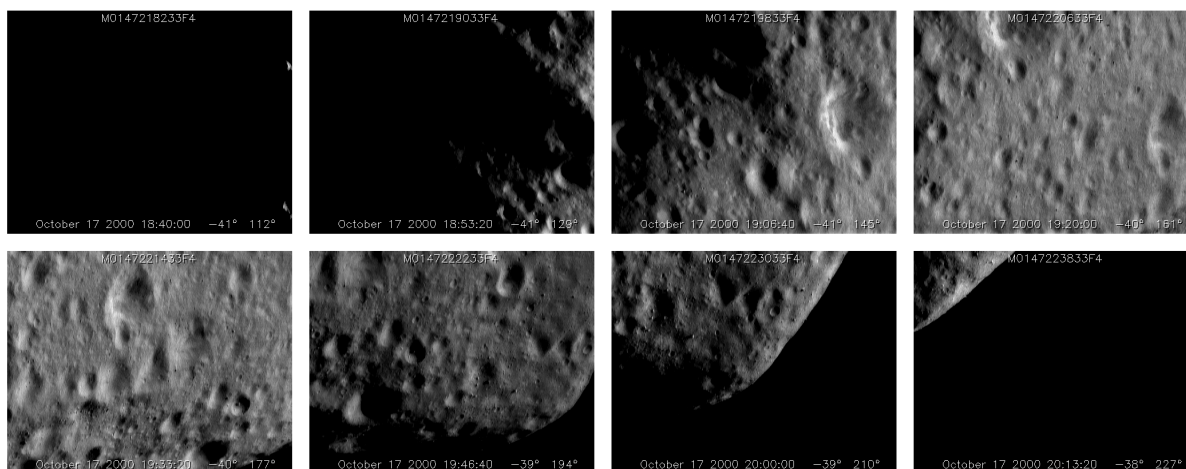
Sequence ID: 30

Filter: 4

Number of Images: 160

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_FeatureTrack_292

Day of Year: 292 2000

Date: October 18, 2000

MET Range: 0147262633-0147267639

Orbit: 100 x 50

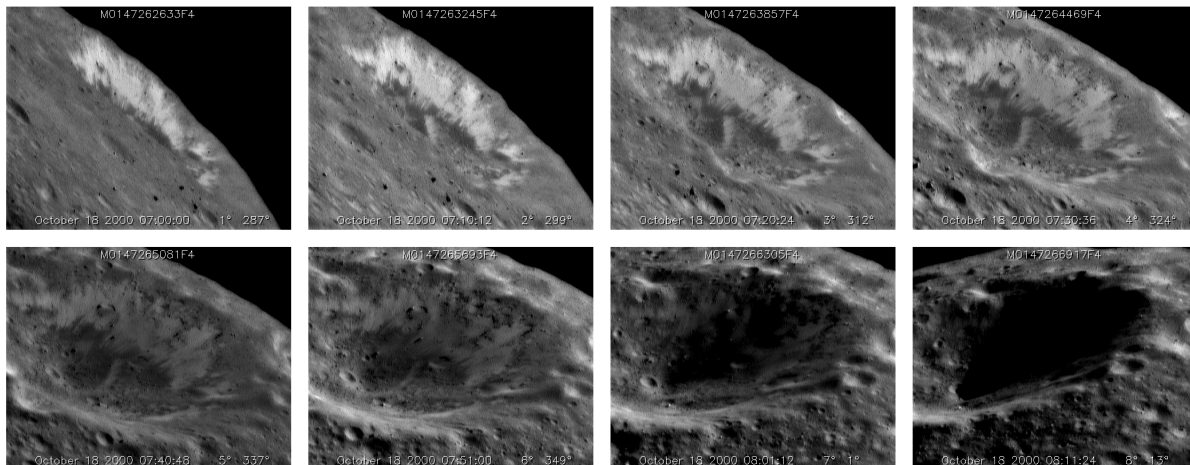
Sequence ID: 30

Filter: 4

Number of Images: 140

Calibration: MSICLEAN

Compression: table5



MSI_FeatureTrack_294

Day of Year: 294 2000

Date: October 20, 2000

MET Range: 0147419233-0147427650

Orbit: 50 x 50

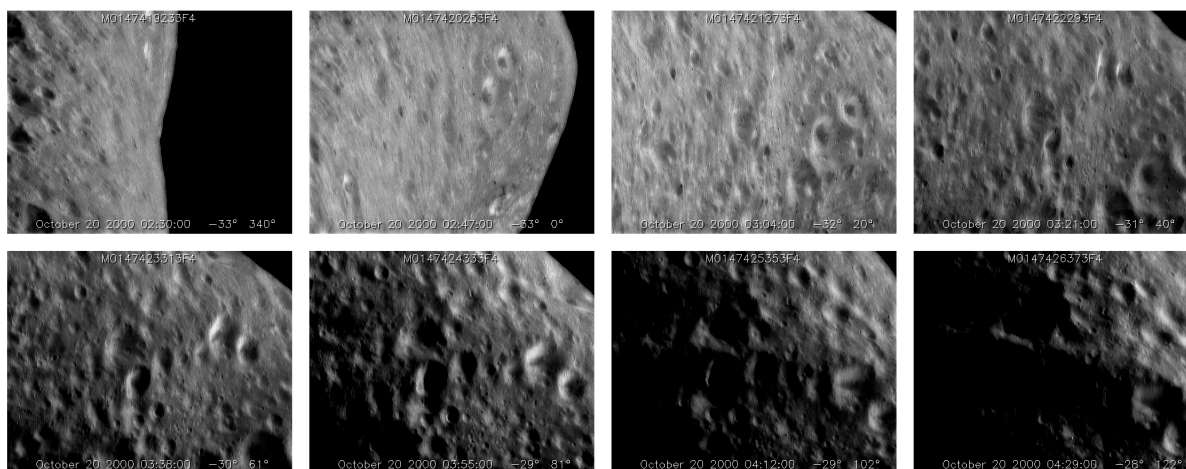
Sequence ID: 30

Filter: 4

Number of Images: 100

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_LowAlt_Closest_1

Day of Year: 300 2000

Date: October 26, 2000

MET Range: 0147949333-0147952351

Orbit: 200 x 50

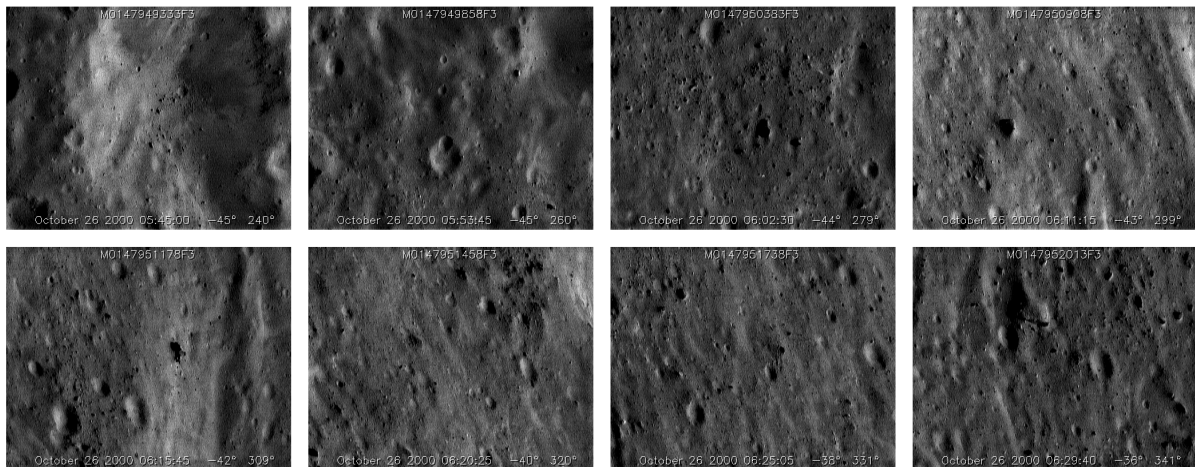
Sequence ID: 28

Filter: 3

Number of Images: 62

Calibration: MSICLEAN

Compression: table5



MSI_LowAlt_Closest_2

Day of Year: 300 2000

Date: October 26, 2000

MET Range: 0147952378-0147953680

Orbit: 200 x 50

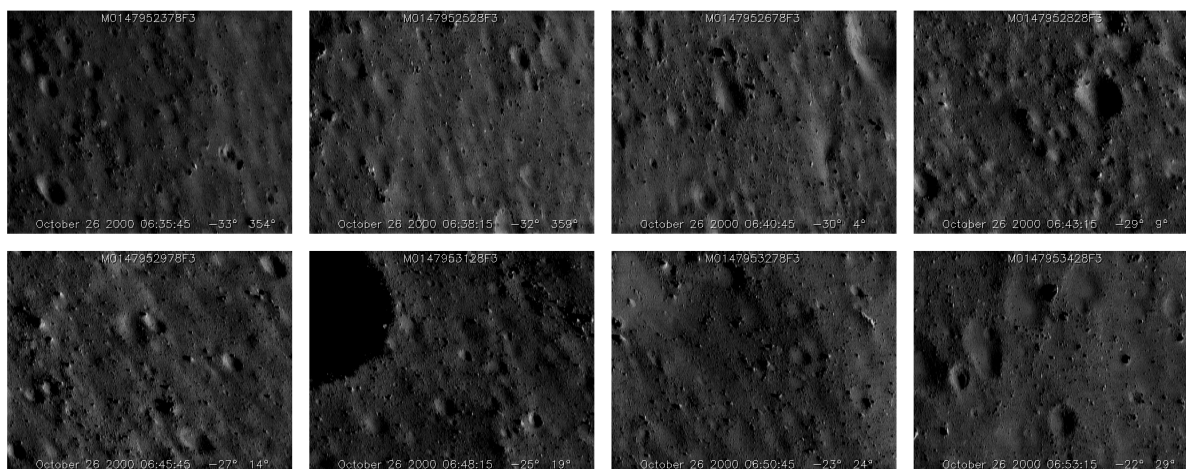
Sequence ID: 16

Filter: 3

Number of Images: 53

Calibration: MSICLEAN

Compression: lossless



433 Eros

MSI_NadirPt03_303

Day of Year: 303 2000

Date: October 29, 2000

MET Range: 0148204903-0148224705

Orbit: 200 x 50

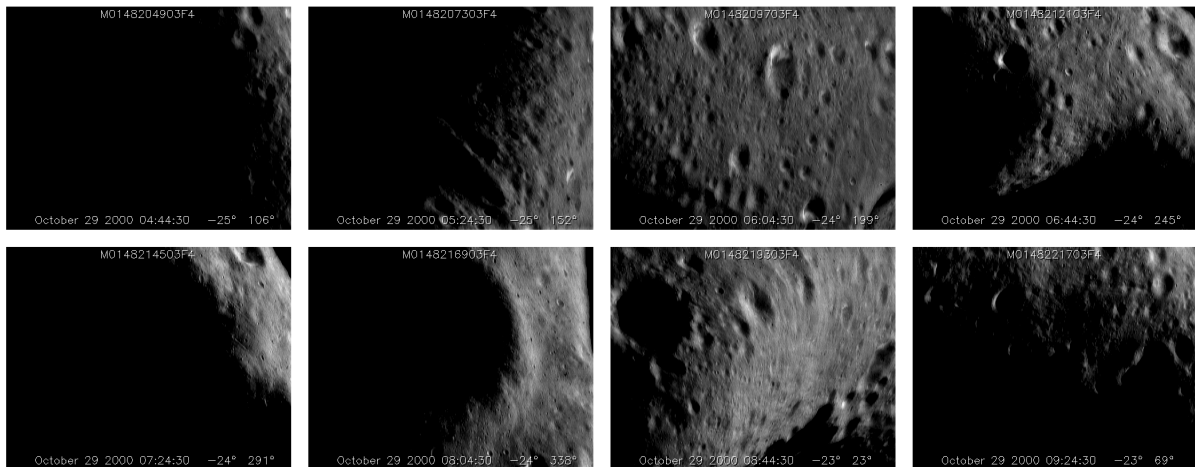
Sequence ID: 9

Filter: 4

Number of Images: 100

Calibration: MSICLEAN

Compression: lossless



Flyover_306

Day of Year: 306 2000

Date: November 1, 2000

MET Range: 0148499443-0148518723

Orbit: 200 x 50

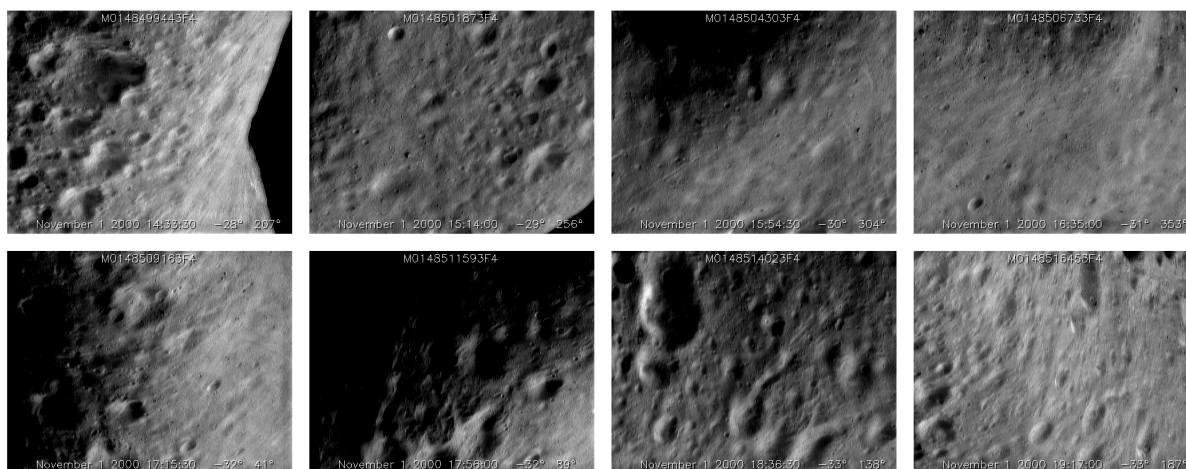
Sequence ID: 30

Filter: 4

Number of Images: 120

Calibration: MSICLEAN

Compression: table5



433 Eros

Flyover_310

Day of Year: 310 2000

Date: November 5, 2000

MET Range: 0148823443-0148826895

Orbit: 200 x 200

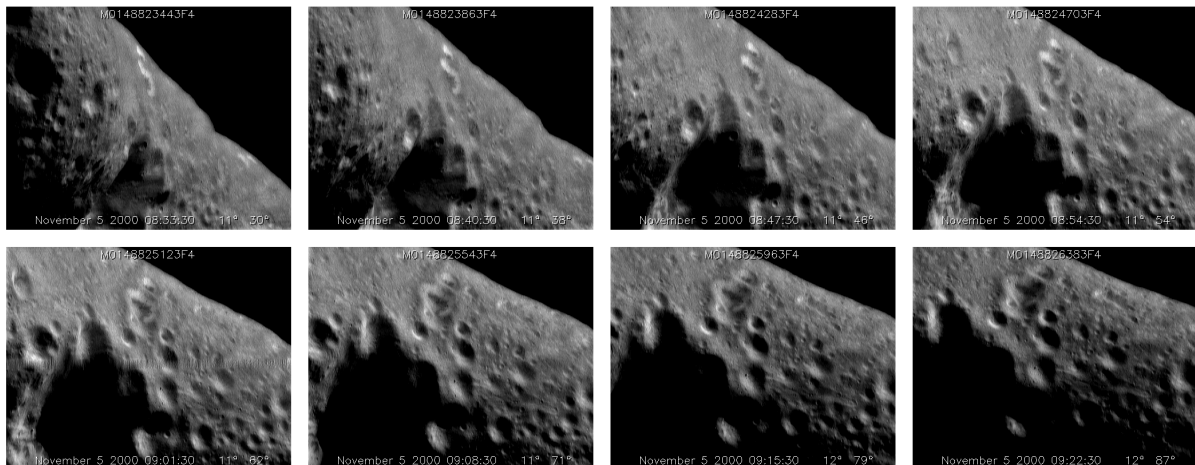
Sequence ID: 30

Filter: 4

Number of Images: 116

Calibration: MSICLEAN

Compression: table5



Flyover_311

Day of Year: 311 2000

Date: November 6, 2000

MET Range: 0148903843-0148922824

Orbit: 200 x 200

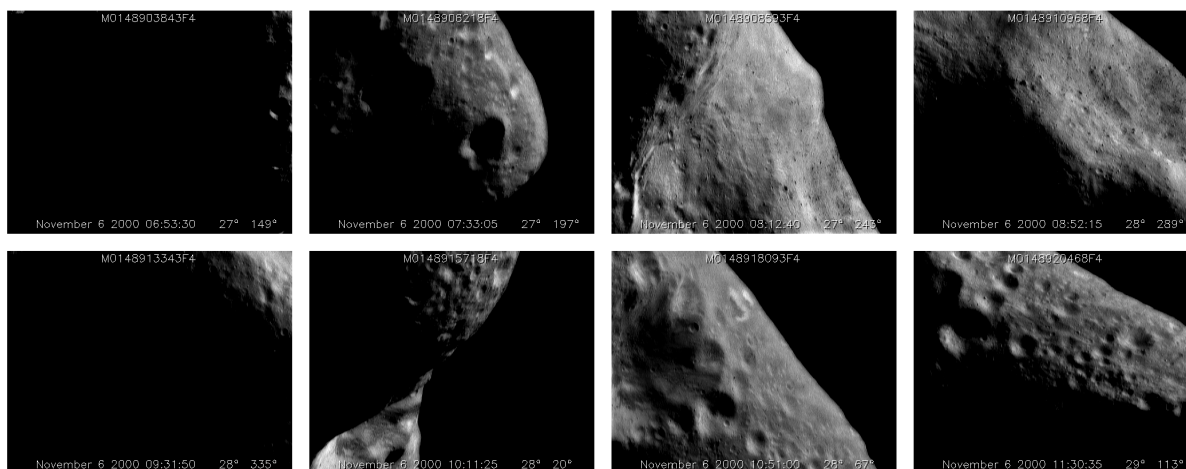
Sequence ID: 18

Filter: 4

Number of Images: 1000

Calibration: MSICAL

Compression: table5



433 Eros

MSI_Flyover_311b

Day of Year: 311-312 2000

Date: November 6-7, 2000

MET Range: 0148958743-0148974243

Orbit: 200 x 200

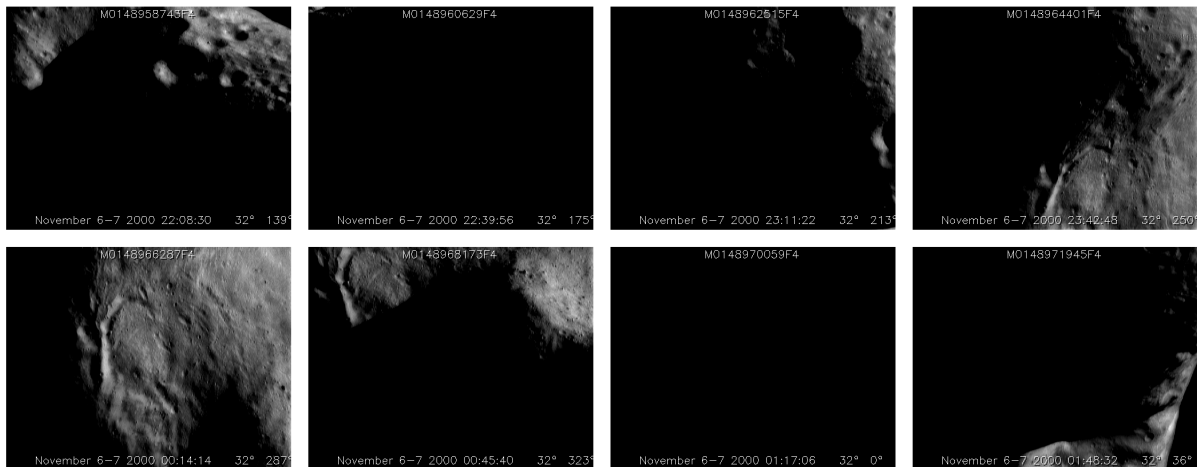
Sequence ID: 9

Filter: 4

Number of Images: 190

Calibration: MSICLEAN

Compression: lossless



MSI_Flyover_314

Day of Year: 314 2000

Date: November 9, 2000

MET Range: 0149214343-0149224103

Orbit: 200 x 200

Sequence ID: 30

Filter: 4

Number of Images: 120

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_Flyover_320

Day of Year: 320 2000

Date: November 15, 2000

MET Range: 0149689544-0149707546

Orbit: 200 x 200

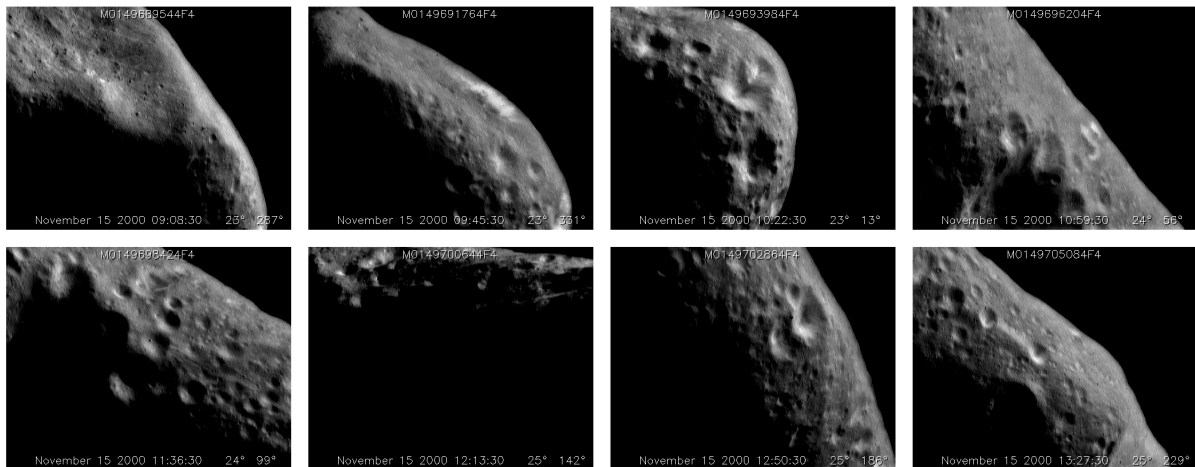
Sequence ID: 30

Filter: 4

Number of Images: 301

Calibration: MSICLEAN

Compression: table5



MSI_FeatureTrk_320

Day of Year: 320 2000

Date: November 15, 2000

MET Range: 0149711734-0149722474

Orbit: 200 x 200

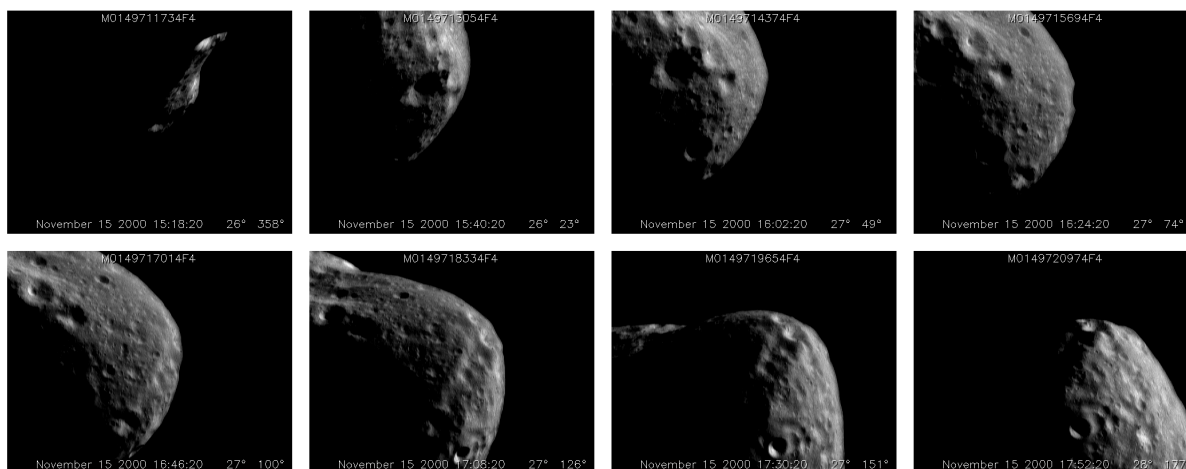
Sequence ID: 18

Filter: 4

Number of Images: 180

Calibration: MSICAL

Compression: table5



433 Eros

MSI_Flyover_322

Day of Year: 322 2000

Date: November 17, 2000

MET Range: 0149858204-0149871886

Orbit: 200 x 200

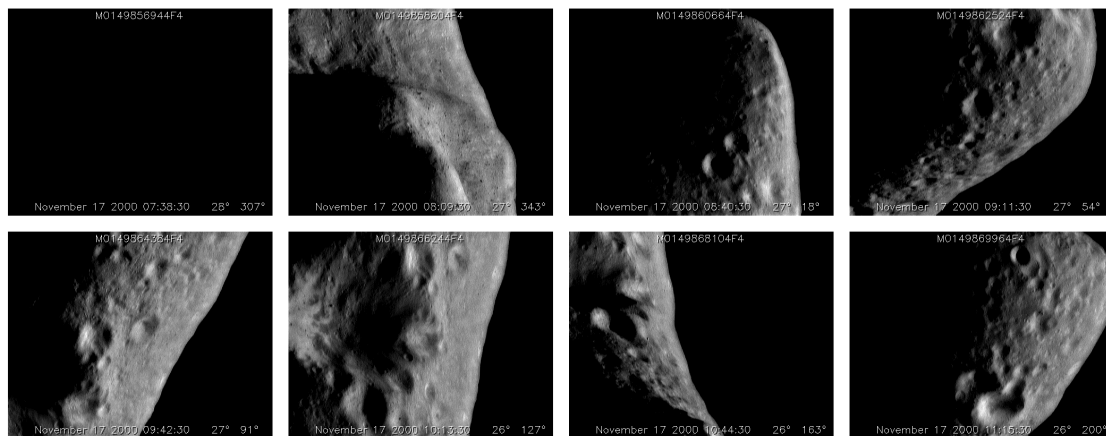
Sequence ID: 30

Filter: 4

Number of Images: 229

Calibration: MSICLEAN

Compression: table5



MSI_Flyover_323

Day of Year: 323 2000

Date: November 18, 2000

MET Range: 0149928944-0149948701

Orbit: 200 x 200

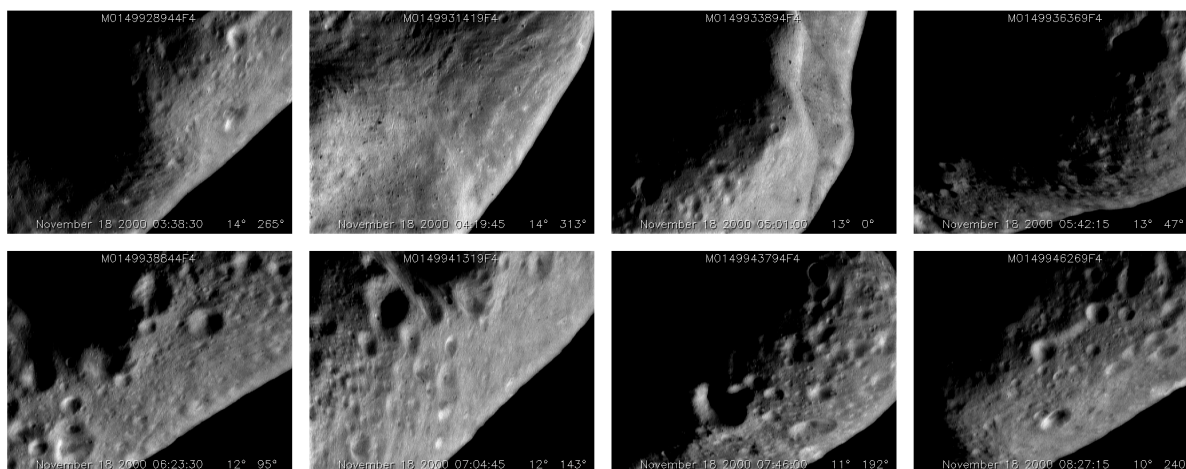
Sequence ID: 30

Filter: 4

Number of Images: 440

Calibration: MSICLEAN

Compression: table5



MSI_Flyover_326

Day of Year: 326 2000

Date: November 21, 2000

MET Range: 0150185434-0150189036

Orbit: 200 x 200

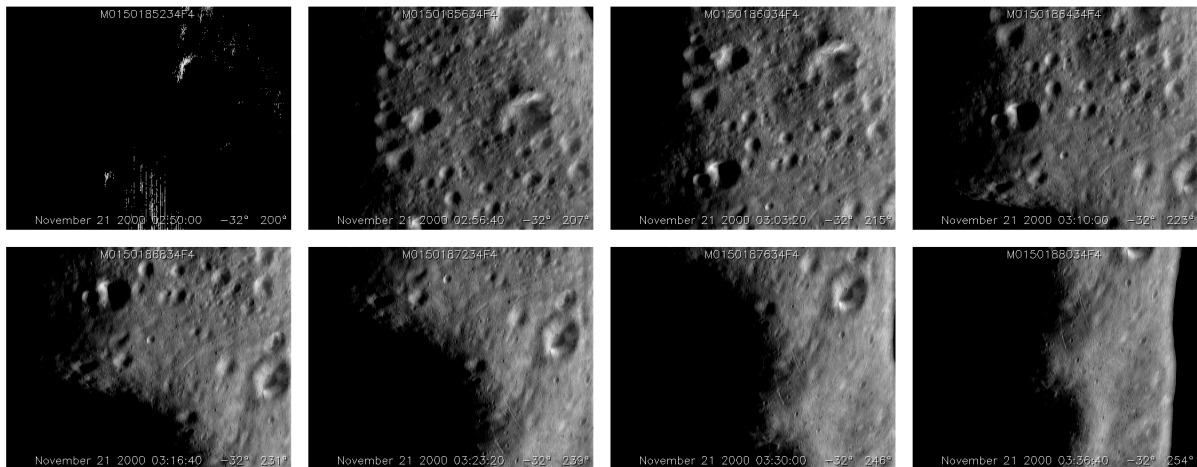
Sequence ID: 30

Filter: 4

Number of Images: 19

Calibration: MSICLEAN

Compression: table5



MSI_Flyover_334

Day of Year: 334 2000

Date: November 29, 2000

MET Range: 0150890144-0150909922

Orbit: 200 x 200

Sequence ID: 30

Filter: 4

Number of Images: 310

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_Flyover_336

Day of Year: 336 2000

Date: December 1, 2000

MET Range: 0151068644-0151083302

Orbit: 200 x 200

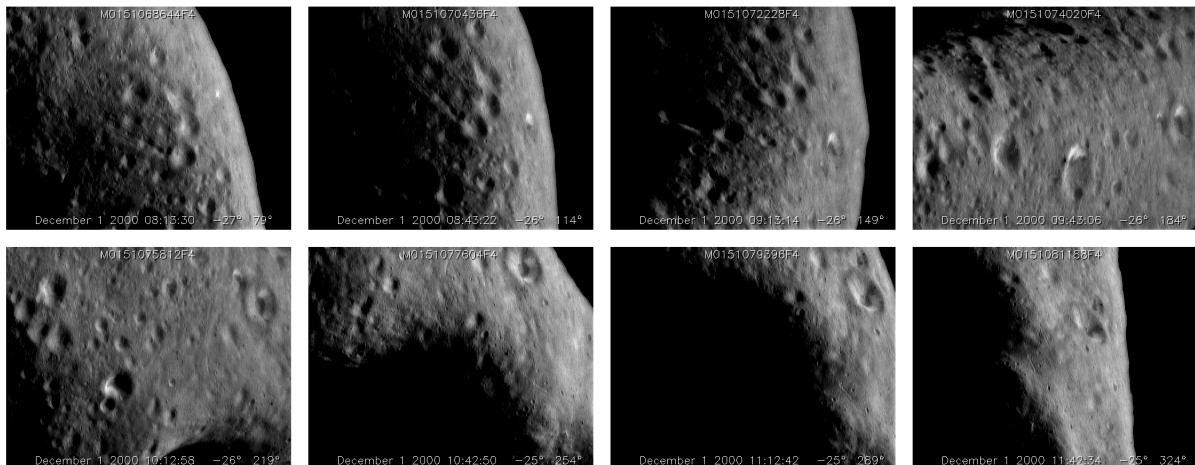
Sequence ID: 30

Filter: 4

Number of Images: 230

Calibration: MSICLEAN

Compression: table5



MSI_Flyover_338a

Day of Year: 338 2000

Date: December 3, 2000

MET Range: 0151225244-0151245358

Orbit: 200 x 200

Sequence ID: 30

Filter: 4

Number of Images: 420

Calibration: MSICLEAN

Compression: table5



433 Eros

MSI_Flyover_338b

Day of Year: 338-339 2000

Date: December 3-4, 2000

MET Range: 0151295144-0151314696

Orbit: 200 x 200

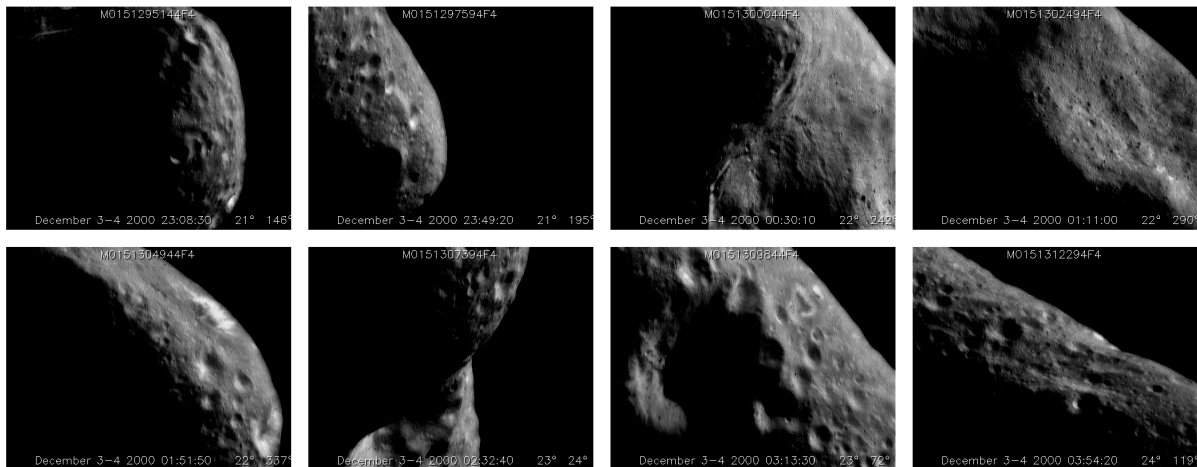
Sequence ID: 30

Filter: 4

Number of Images: 392

Calibration: MSICLEAN

Compression: table5



MSI_Flyover_339

Day of Year: 339-340 2000

Date: December 4-5, 2000

MET Range: 0151380934-0151410884

Orbit: 200 x 200

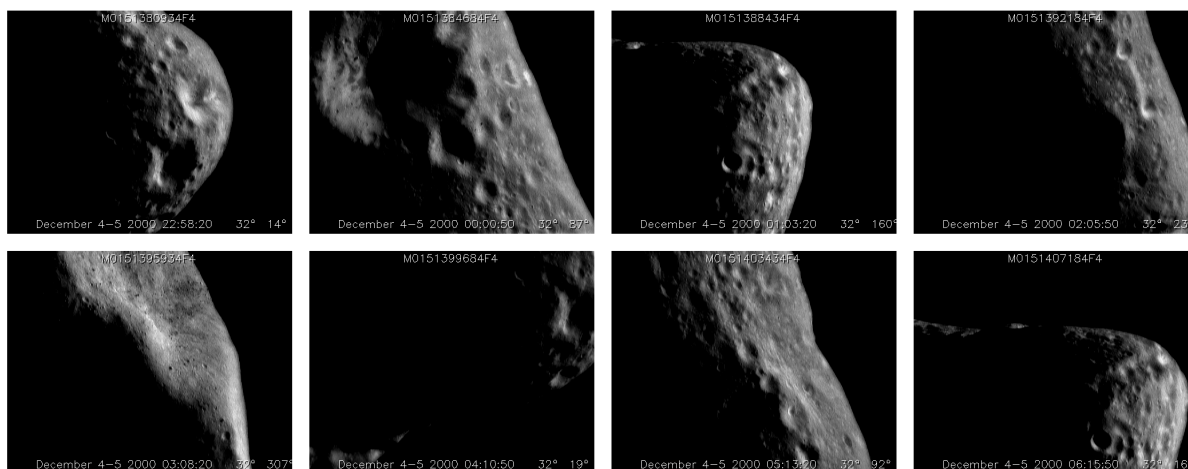
Sequence ID: 18

Filter: 4

Number of Images: 600

Calibration: MSICAL

Compression: table5



433 Eros

MSI_Flyover_343

Day of Year: 343 2000

Date: December 8, 2000

MET Range: 0151646434-0151678884

Orbit: 200 x 35

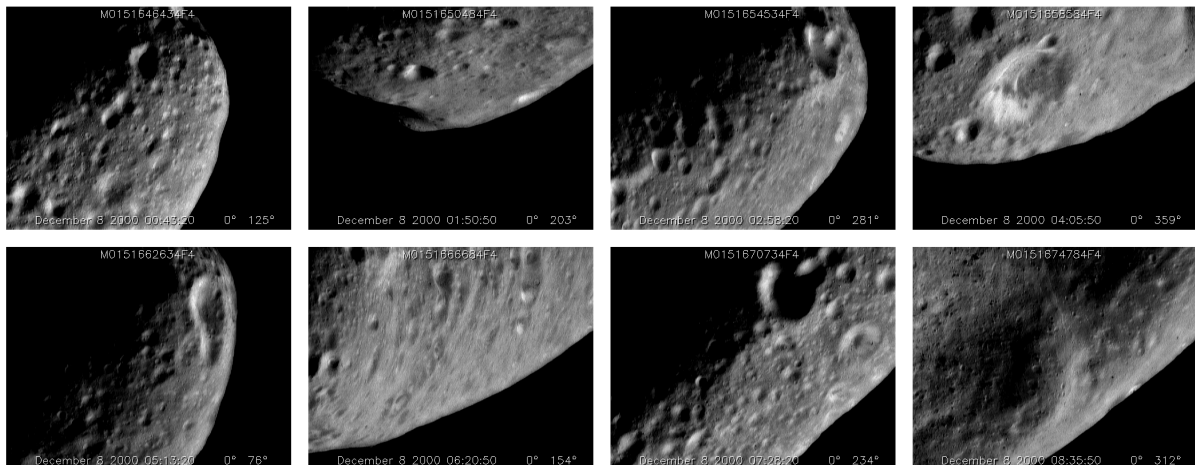
Sequence ID: 18

Filter: 4

Number of Images: 650

Calibration: MSICAL

Compression: table5



MSI_Flyover_344

Day of Year: 344-345 2000

Date: December 9-10, 2000

MET Range: 0151814134-0151844791

Orbit: 200 x 35

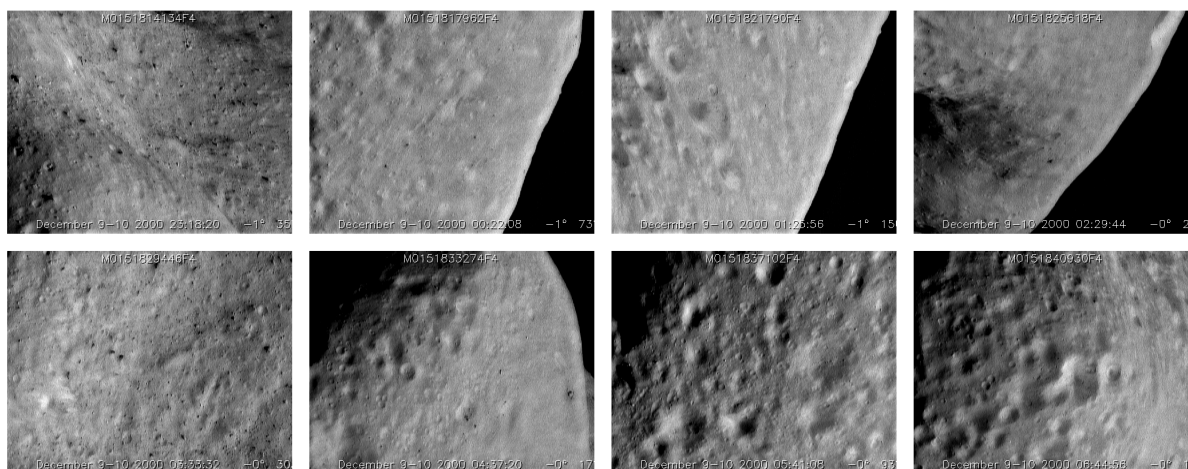
Sequence ID: 18

Filter: 4

Number of Images: 930

Calibration: MSICAL

Compression: table5



MSI_Final_Descent

Day of Year: 043 2001

Date: February 12, 2001

MET Range: 0157415163-0157417198

Orbit: 34 x 0

Sequence ID: 30

Filter: 3

Number of Images: 64

Calibration: MSICAL

Compression: table5

