

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003014300003	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest3/temp/011011003014300003/L72EDC1900168		
Input Media Type:	Disk	File Number:	N/A
Orbit Number:	86663		
Processing Level:	Precision Geocorrection	Resampling:	CC
Map Projection:	SPCS	Zone:	4602
Earth Ellipsoid:	NAD83	Product Orient.:	Map North
Projection Params:	0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00		
Line Spacing:	030.0	Pixel Spacing:	030.0
Path/Strip no.:	043	Start Row no.:	028.0
		End Row no.:	N/A
Image Lines:	7056	Image Pixels:	7434
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	-0.03 deg		
Scene center lat:	46.032 deg	Scene center long:	-117.809 deg
Sun Elevation:	62.00 deg	Sun Azimuth:	136.35 deg
Scene center date:	2000 06 16	Scene center time:	18:29:21.7564
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 12	Completion time:	12:03:57
Termination Status: Successful Completion			

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DETAILED PROCESSING RESULTS

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MODEL REFINEMENT STATISTICS

Number of CPs in model: 11

Error	Mean (m)	RMS (m)	Std Dev (m)
-----	-----	-----	-----
Along Track	1.23	6.05	5.92
Across Track	1.45	7.38	7.23
Height	-0.03	0.74	0.74
Combined	1.90	9.57	9.38

Num	Mark	Kind	Location		Height	Residuals			Comb
			Lat	Long		Along	Across	Height	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
9269	Auto	RCP	45.96	-117.71	792.66	11.56	3.76	0.06	12.16
9664	Auto	RCP	45.15	-116.97	1524.00	0.15	-5.31	-0.74	5.37
8811	Auto	RCP	46.74	-118.57	442.99	-2.31	-9.83	1.17	10.16
9672	Auto	SCP	45.38	-119.06	794.12	6.15	-1.94	0.23	6.45
9623	Auto	RCP	45.30	-118.14	1292.00	-3.85	-4.43	0.03	5.87
9084	Auto	RCP	46.51	-116.56	304.00	4.45	4.75	0.59	6.53
8824	Auto	SCP	46.59	-117.71	416.49	3.08	-1.59	0.02	3.47
9390	Auto	SCP	45.50	-117.47	1015.77	5.24	-2.59	-0.17	5.85
8972	Man	RCP	46.27	-118.22	365.00	1.55	9.69	-0.57	9.83
9263	Man	RCP	45.94	-118.74	573.79	-0.15	15.96	-1.68	16.05
9271	Man	RCP	45.96	-117.06	586.65	-12.32	7.44	0.68	14.41

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RADIOMETRIC CORRECTION

Algorithm: NASA

Band	Ref	DN to Radiance		Default
	Detector	gain	offset	Abs Calib?
-----	-----	-----	-----	-----
1	15	0.775686	-6.20000	FALSE
2	12	0.795686	-6.39999	FALSE
3	8	0.619216	-5.00000	FALSE
4	7	0.965490	-5.10001	FALSE
5	14	0.125725	-0.99999	FALSE
6	8	0.066823	0.000000	FALSE
7	10	0.043726	-0.35000	FALSE
8	27	0.971765	-4.70000	FALSE
9	8	0.037059	3.200000	FALSE

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DEM PROCESSING

Elevation Correction Applied: Fine DEM
 LineSpacing: 3.000000000000000e+01
 LineSpacingUnits: meters
 PixelSpacing: 3.000000000000000e+01
 PixelSpacingUnits: meters

DEM Files Used

 washcanus_elev2

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GEOMETRIC QUALITY ASSESSMENT

Number of QA CPs: 12

Error	Mean (m)	RMS (m)	Std Dev (m)
-----	-----	-----	-----
Along Track	5.04	10.04	8.68
Across Track	-1.24	9.98	9.90
Height	0.00	0.00	0.00
Combined	5.19	14.15	13.17

			Location			Residuals			
Num	Mark	Kind	Lat	Long	Height	Along	Across	Height	Comb
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
9670	Man	SCP	45.30	-117.55	1280.00	7.70	3.31	0.00	8.38
9382	Man	RCP	45.69	-117.28	1462.13	15.03	-14.99	0.00	21.23
9264	Man	RCP	45.54	-118.81	453.59	-0.01	15.01	0.00	15.01
9261	Man	RCP	45.64	-117.73	808.75	15.02	-14.99	0.00	21.22
9087	Man	RCP	46.27	-117.06	712.91	-15.01	0.28	0.00	15.02
9041	Man	RCP	46.14	-118.49	244.00	14.99	0.45	0.00	15.00
8967	Man	RCP	46.01	-117.48	1110.23	0.29	15.00	0.00	15.01
8964	Man	RCP	46.29	-117.81	1048.98	0.02	-15.00	0.00	15.00
8826	Man	SCP	46.57	-118.54	182.61	0.64	-6.60	0.00	6.63
8825	Man	SCP	46.78	-117.95	426.00	8.75	-1.14	0.00	8.83
8822	Man	SCP	46.72	-116.98	792.00	13.07	3.80	0.00	13.61
8705	Man	RCP	46.87	-118.34	536.98	0.00	0.00	0.00	0.00

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RADIOMETRIC QUALITY ASSESSMENT

NOTE:

Mean, Std.Dev, Striping are in DN's (Digital Numbers).

Band	Chip Line	Location Pixel	Chip Lines	Size Pixels	Mean	Std Dev	Striping
1	1197.60	1268.00	128	128	94.68	3.446	0.1274
1	2394.20	2535.00	128	128	71.62	4.473	0.2205
1	3590.80	3802.00	128	128	64.49	1.037	0.0776
1	4787.40	5069.00	128	128	77.56	1.505	0.2006
2	1197.60	1268.00	128	128	80.82	3.137	0.2131
2	2394.20	2535.00	128	128	59.87	4.272	0.1862
2	3590.80	3802.00	128	128	52.82	1.346	0.1331
2	4787.40	5069.00	128	128	67.39	1.481	0.1916
3	1197.60	1268.00	128	128	91.16	3.486	0.1487
3	2394.20	2535.00	128	128	50.78	5.637	0.3217
3	3590.80	3802.00	128	128	43.19	3.516	0.2961
3	4787.40	5069.00	128	128	73.25	2.908	0.2052
4	1197.60	1268.00	128	128	57.65	3.407	0.2111
4	2394.20	2535.00	128	128	104.98	5.349	0.4408
4	3590.80	3802.00	128	128	74.72	2.649	0.1873
4	4787.40	5069.00	128	128	68.21	5.386	0.1990
5	1197.60	1268.00	128	128	120.37	18.276	0.7284
5	2394.20	2535.00	128	128	80.61	4.156	0.2647
5	3590.80	3802.00	128	128	77.13	5.804	0.2539
5	4787.40	5069.00	128	128	120.21	8.506	0.4757
6	599.20	634.40	128	128	157.97	4.948	0.2756
6	1197.40	1267.80	128	128	128.57	1.052	0.0840
6	1795.60	1901.20	128	128	128.52	3.225	0.2519
6	2393.80	2534.60	128	128	147.15	5.577	0.2513
7	1197.60	1268.00	128	128	91.71	12.576	0.5021
7	2394.20	2535.00	128	128	46.06	3.347	0.1389
7	3590.80	3802.00	128	128	44.03	6.782	0.3015
7	4787.40	5069.00	128	128	91.36	10.501	0.4910
8	2394.40	2536.80	128	128	71.40	4.105	0.2367
8	4787.80	5072.60	128	128	78.54	3.487	0.1218
8	7181.20	7608.40	128	128	59.72	2.969	0.2015
8	9574.60	10144.20	128	128	57.77	2.121	0.0667
9	599.20	634.40	128	128	198.82	8.928	0.4845
9	1197.40	1267.80	128	128	145.79	1.883	0.1221
9	1795.60	1901.20	128	128	145.70	5.822	0.4502
9	2393.80	2534.60	128	128	179.26	10.042	0.4672

PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 46.032 -117.809
Product Scene Center Date/Time (yyyy mm dd): 2000 6 16 18:29:21.7564

Product Extent:

Lat:	47.01	-----	Lat:	46.94
Long:	-119.23		Long:	-116.30
North:	187080.00		North:	187080.00
East:	596820.00		East:	819810.00

Lat:	45.11		Lat:	45.04
Long:	-119.27		Long:	-116.44
North:	-24570.00		North:	-24570.00
East:	596820.00	-----	East:	819810.00

EXECUTION INFORMATION

Stage	Start	End	CPU
Ingest	Fri Oct 12 10:34:14 2001	Fri Oct 12 10:37:28 2001	178.69
ModelRefiner	Fri Oct 12 10:37:33 2001	Fri Oct 12 11:23:04 2001	42.47
DemIngest	Fri Oct 12 11:23:17 2001	Fri Oct 12 11:24:00 2001	24.73
WarpDem	Fri Oct 12 11:24:02 2001	Fri Oct 12 11:24:22 2001	32.16
ImCorr	Fri Oct 12 11:24:26 2001	Fri Oct 12 11:36:20 2001	1534.24
RadQa	Fri Oct 12 11:36:22 2001	Fri Oct 12 11:36:23 2001	0.62
GeoQa	Fri Oct 12 11:36:25 2001	Fri Oct 12 12:02:41 2001	12.21
Output	Fri Oct 12 12:02:42 2001	Fri Oct 12 12:03:46 2001	19.53
Catalog	Fri Oct 12 12:03:48 2001	Fri Oct 12 12:03:49 2001	0.58
		-----	1845.23