

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003014300002	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest2/temp/011011003014300002/L72EDC1800216		
Input Media Type:	Disk	File Number:	N/A
Orbit Number:	87362		
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.:	027.0
		End Row no.:	N/A
Image Lines:	7057	Image Pixels:	7421
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	0.05 deg		
Scene center lat:	47.450 deg	Scene center long:	-117.243 deg
Sun Elevation:	55.11 deg	Sun Azimuth:	141.87 deg
Scene center date:	2000 08 03	Scene center time:	18:28:15.2744
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 12	Completion time:	11:55:14
Termination Status: Successful Completion			

DETAILED PROCESSING RESULTS

MODEL REFINEMENT STATISTICS

Number of CPs in model: 13

Error	Mean (m)	RMS (m)	Std Dev (m)
Along Track	0.57	5.17	5.14
Across Track	1.25	5.54	5.39
Height	0.10	0.53	0.52
Combined	1.38	7.60	7.47

Num	Mark	Kind	Location		Height	Residuals			Comb
			Lat	Long		Along	Across	Height	
8564	Auto	RCP	47.67	-117.20	663.40	-0.48	-3.05	0.01	3.09
8821	Auto	SCP	46.74	-116.57	852.52	-6.65	3.07	0.34	7.33
8018	Auto	RCP	48.31	-118.15	415.21	-6.80	-1.97	0.29	7.09
8705	Auto	RCP	46.87	-118.34	536.98	1.64	2.75	-0.28	3.22
8199	Auto	RCP	48.14	-116.83	641.29	1.95	1.73	0.03	2.60
8565	Auto	RCP	47.44	-118.01	669.60	6.62	-0.68	0.06	6.66
8570	Auto	SCP	47.33	-116.35	688.97	-2.50	9.92	1.07	10.29
8359	Man	RCP	47.70	-115.97	792.00	-0.42	-8.57	-1.15	8.66
8814	Man	RCP	46.84	-117.40	670.00	0.03	-0.59	-0.01	0.59
8346	Man	SCP	48.06	-117.61	734.28	14.15	-0.33	0.03	14.15
8443	Man	RCP	47.13	-118.56	579.00	-0.01	0.23	-0.03	0.23
8209	Man	RCP	47.77	-117.84	743.32	0.00	-0.14	0.01	0.14
8568	Man	SCP	47.69	-116.54	1149.94	-0.10	13.88	0.96	13.91

RADIOMETRIC CORRECTION

Algorithm: NASA

Band	Ref Detector	DN to Radiance gain	offset	Default 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

DEM PROCESSING

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

DEM Files Used

washcanus_elev2

GEOMETRIC QUALITY ASSESSMENT

Number of QA CPs: 13

Error	Mean (m)	RMS (m)	Std Dev (m)
Along Track	0.72	7.48	7.44
Across Track	-2.69	10.04	9.68
Height	0.00	0.00	0.00
Combined	2.78	12.52	12.21

Num	Mark	Kind	Location		Height	Residuals			
			Lat	Long		Along	Across	Height	Comb
8825	Man	SCP	46.78	-117.95	426.00	0.00	0.00	0.00	0.00
8813	Man	RCP	47.06	-118.01	500.00	0.02	-10.01	0.00	10.01
8812	Man	RCP	47.05	-116.91	896.43	0.00	0.01	0.00	0.01
8810	Man	RCP	47.07	-116.40	914.00	-0.01	-0.02	0.00	0.02
8575	Man	SCP	47.36	-118.34	640.00	-0.02	15.00	0.00	15.00
8566	Man	RCP	47.36	-117.04	792.00	-10.01	-0.01	0.00	10.01
8562	Man	RCP	47.56	-116.29	670.22	0.01	15.01	0.00	15.01
8433	Man	RCP	47.67	-117.60	715.97	15.30	-14.71	0.00	21.22
8357	Man	SCP	48.20	-117.63	629.79	1.89	-9.63	0.00	9.81
8353	Man	SCP	47.88	-116.21	914.00	0.00	-15.01	0.00	15.01
8344	Man	RCP	48.00	-116.91	702.30	0.02	-15.00	0.00	15.00
8221	Man	RCP	48.12	-118.08	731.00	15.01	0.32	0.00	15.01
7989	Man	RCP	48.37	-117.86	504.76	-12.80	-0.89	0.00	12.83

RADIOMETRIC QUALITY ASSESSMENT

NOTE:

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

Band	Chip Location Line Pixel	Chip Size Lines Pixels	Mean	Std Dev	Striping
1	1197.60 1268.00	128 128	70.21	3.142	0.1505
1	2394.20 2535.00	128 128	81.99	4.616	0.2237
1	3590.80 3802.00	128 128	73.68	3.453	0.2214
1	4787.40 5069.00	128 128	65.09	1.972	0.1877
2	1197.60 1268.00	128 128	57.34	2.591	0.2832
2	2394.20 2535.00	128 128	70.11	5.403	0.3030
2	3590.80 3802.00	128 128	66.36	4.125	0.2166
2	4787.40 5069.00	128 128	50.29	2.259	0.1751
3	1197.60 1268.00	128 128	52.97	3.517	0.6790
3	2394.20 2535.00	128 128	72.79	7.755	0.4457
3	3590.80 3802.00	128 128	84.06	8.128	0.4058
3	4787.40 5069.00	128 128	42.10	6.398	0.1487
4	1197.60 1268.00	128 128	69.72	2.916	0.1652
4	2394.20 2535.00	128 128	60.77	4.951	0.2337
4	3590.80 3802.00	128 128	81.73	2.640	0.2540
4	4787.40 5069.00	128 128	66.62	3.337	0.2137
5	1197.60 1268.00	128 128	83.85	8.031	0.9726
5	2394.20 2535.00	128 128	75.05	6.499	0.4418
5	3590.80 3802.00	128 128	107.61	9.380	0.4518
5	4787.40 5069.00	128 128	66.78	13.484	0.5395
6	599.20 634.40	128 128	148.43	2.134	0.2204
6	1197.40 1267.80	128 128	155.63	3.743	0.1585
6	1795.60 1901.20	128 128	152.61	2.613	0.1415
6	2393.80 2534.60	128 128	144.19	3.469	0.1735
7	1197.60 1268.00	128 128	51.08	4.879	0.6292
7	2394.20 2535.00	128 128	54.64	8.900	0.4284
7	3590.80 3802.00	128 128	67.13	4.584	0.2725
7	4787.40 5069.00	128 128	37.94	10.737	0.4342
8	2394.40 2536.80	128 128	64.31	6.698	0.1573
8	4787.80 5072.60	128 128	54.86	2.425	0.0662
8	7181.20 7608.40	128 128	52.58	4.530	0.2982
8	9574.60 10144.20	128 128	53.83	4.348	0.1992
9	599.20 634.40	128 128	181.62	3.844	0.3936
9	1197.40 1267.80	128 128	194.59	6.746	0.2773
9	1795.60 1901.20	128 128	189.12	4.726	0.2491
9	2393.80 2534.60	128 128	173.98	6.249	0.3060

PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 47.450 -117.243
Product Scene Center Date/Time (yyyy mm dd): 2000 8 3 18:28:15.2744

Product Extent:

Lat: 48.43	-----	Lat: 48.35
Long: -118.69		Long: -115.68
North: 346140.00		North: 346140.00
East: 634260.00		East: 856860.00

Lat: 46.53
Long: -118.75
North: 134460.00
East: 634260.00

Lat: 46.45
Long: -115.85
North: 134460.00
East: 856860.00

EXECUTION INFORMATION

Stage	Start	End	CPU
Ingest	Fri Oct 12 10:33:35 2001	Fri Oct 12 10:36:16 2001	148.78
ModelRefiner	Fri Oct 12 10:36:22 2001	Fri Oct 12 10:54:03 2001	46.89
DemIngest	Fri Oct 12 10:54:16 2001	Fri Oct 12 10:54:55 2001	23.90
WarpDem	Fri Oct 12 10:54:57 2001	Fri Oct 12 10:55:13 2001	30.98
ImCorr	Fri Oct 12 10:55:16 2001	Fri Oct 12 11:07:18 2001	1592.05
RadQa	Fri Oct 12 11:07:20 2001	Fri Oct 12 11:07:21 2001	0.60
GeoQa	Fri Oct 12 11:07:23 2001	Fri Oct 12 11:23:00 2001	11.00
Output	Fri Oct 12 11:23:04 2001	Fri Oct 12 11:24:01 2001	16.65
Catalog	Fri Oct 12 11:24:56 2001	Fri Oct 12 11:24:58 2001	0.57
		-----	1871.42