

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003014300005	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest2/temp/011011003014300005/L72EDC1800271		
Input Media Type:	Disk	File Number:	N/A
Orbit Number:	88163		
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.:	044	Start Row no.:	027.0
		End Row no.:	N/A
Image Lines:	7152	Image Pixels:	7521
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	0.06 deg		
Scene center lat:	47.453 deg	Scene center long:	-118.808 deg
Sun Elevation:	38.29 deg	Sun Azimuth:	156.74 deg
Scene center date:	2000 09 27	Scene center time:	18:33:43.9088
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 04	Completion time:	14:36:24
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	1.75	8.33	8.15
Across Track	0.10	5.24	5.24
Height	0.10	0.48	0.47
Combined	1.75	9.86	9.70

Num	Mark	Kind	Location		Height	Residuals			Comb
			Lat	Long		Along	Across	Height	
8594	Auto	SCP	47.36	-119.09	482.36	14.62	-2.17	0.06	14.78
8708	Auto	RCP	46.58	-118.09	178.92	-13.01	1.44	0.20	13.09
8220	Auto	RCP	48.18	-119.34	376.12	0.80	5.67	-0.53	5.75
8836	Auto	SCP	47.01	-120.01	180.97	-3.78	-6.01	0.73	7.14
8715	Auto	RCP	46.77	-119.60	289.56	8.60	-5.97	0.37	10.47
8382	Auto	SCP	48.20	-118.50	849.67	6.21	1.81	0.00	6.47
8346	Auto	SCP	48.06	-117.61	734.28	11.75	7.97	0.84	14.22
8441	Auto	RCP	47.28	-117.85	639.00	-0.28	-9.02	-1.06	9.08
24091	Auto	RCP	47.70	-119.81	766.62	-12.32	-2.12	0.29	12.51
8443	Auto	RCP	47.13	-118.56	579.00	10.11	9.71	0.41	14.02
8209	Man	RCP	47.77	-117.84	743.32	0.00	0.00	0.00	0.00
8444	Man	RCP	47.61	-118.59	673.95	0.00	0.00	0.00	0.00
8442	Man	RCP	47.38	-119.77	768.02	0.00	0.00	0.00	0.00

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	0.637255	-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

washington_elev

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GEOMETRIC QUALITY ASSESSMENT

Number of QA CPs: 10

Error	Mean (m)	RMS (m)	Std Dev (m)

Along Track	5.22	8.32	6.48
Across Track	-3.19	11.53	11.08
Height	0.00	0.00	0.00
Combined	6.12	14.22	12.84

			Location		Residuals				
Num	Mark	Kind	Lat	Long	Height	Along	Across	Height	Comb
8811	Man	RCP	46.74	-118.57	442.99	1.12	-16.72	0.00	16.75
8710	Man	RCP	47.09	-119.28	365.00	0.03	-15.00	0.00	15.00
8705	Man	RCP	46.87	-118.34	536.98	0.01	-0.01	0.00	0.01
8565	Man	RCP	47.44	-118.01	669.60	-0.01	0.01	0.00	0.01
8433	Man	RCP	47.67	-117.60	715.97	14.01	-10.93	0.00	17.77
24089	Man	RCP	47.82	-119.02	772.00	0.00	-15.00	0.00	15.00
8221	Man	RCP	48.12	-118.08	731.00	14.99	15.03	0.00	21.23
8213	Man	RCP	48.26	-118.90	796.67	7.34	-4.60	0.00	8.66
8210	Man	RCP	48.00	-119.66	262.13	14.69	15.31	0.00	21.22
8195	Man	RCP	48.03	-119.15	744.93	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	69.91	5.244	0.0933
1	2394.20	2535.00	128	128	86.56	3.894	0.0935
1	3590.80	3802.00	128	128	85.53	2.544	0.2038
1	4787.40	5069.00	128	128	75.28	1.919	0.0587
2	1197.60	1268.00	128	128	57.48	8.010	0.1114
2	2394.20	2535.00	128	128	85.13	6.197	0.2700
2	3590.80	3802.00	128	128	83.03	3.217	0.2133
2	4787.40	5069.00	128	128	63.97	3.027	0.0744
3	1197.60	1268.00	128	128	65.92	13.419	0.2261
3	2394.20	2535.00	128	128	110.92	13.311	0.4689
3	3590.80	3802.00	128	128	106.92	4.031	0.3381
3	4787.40	5069.00	128	128	74.61	5.926	0.2246
4	1197.60	1268.00	128	128	62.80	12.728	0.5022
4	2394.20	2535.00	128	128	95.94	10.806	0.2871
4	3590.80	3802.00	128	128	90.23	3.248	0.1373
4	4787.40	5069.00	128	128	69.12	5.976	0.3999
5	1197.60	1268.00	128	128	84.75	12.851	0.6179
5	2394.20	2535.00	128	128	107.25	3.296	0.1056
5	3590.80	3802.00	128	128	114.03	3.177	0.2762
5	4787.40	5069.00	128	128	100.22	3.285	0.1446
6	599.20	634.40	128	128	137.27	3.798	0.1925
6	1197.40	1267.80	128	128	144.29	1.242	0.0805
6	1795.60	1901.20	128	128	142.10	2.277	0.0937
6	2393.80	2534.60	128	128	142.43	1.922	0.0605
7	1197.60	1268.00	128	128	57.88	11.262	0.4318
7	2394.20	2535.00	128	128	85.18	4.719	0.1427
7	3590.80	3802.00	128	128	92.17	4.378	0.3032
7	4787.40	5069.00	128	128	71.80	3.205	0.2429
8	2394.40	2536.80	128	128	35.83	6.061	0.2358
8	4787.80	5072.60	128	128	64.60	3.015	0.1465
8	7181.20	7608.40	128	128	63.17	5.436	0.1650
8	9574.60	10144.20	128	128	48.18	0.984	0.0755
9	599.20	634.40	128	128	161.52	6.872	0.3257
9	1197.40	1267.80	128	128	174.13	2.237	0.1267
9	1795.60	1901.20	128	128	170.21	4.105	0.1800
9	2393.80	2534.60	128	128	170.85	3.473	0.1307

PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 47.453 -118.808
Product Scene Center Date/Time (yyyy mm dd): 2000 9 27 18:33:43.9088

Product Extent:

Lat:	48.43	-----	Lat:	48.39
Long:	-120.30		Long:	-117.25
North:	344220.00		North:	344220.00
East:	514800.00		East:	740400.00

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Lat: 46.50
Long: -120.31
North: 129690.00
East: 514800.00

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Lat: 46.46
Long: -117.37
North: 129690.00
East: 740400.00

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EXECUTION INFORMATION

Stage	Start	End	CPU
Ingest	Thu Oct 4 12:46:09 2001	Thu Oct 4 12:47:57 2001	97.97
ModelRefiner	Thu Oct 4 12:48:03 2001	Thu Oct 4 13:05:19 2001	51.23
DemIngest	Thu Oct 4 13:05:32 2001	Thu Oct 4 13:06:04 2001	24.31
WarpDem	Thu Oct 4 13:06:05 2001	Thu Oct 4 13:06:20 2001	31.05
ImCorr	Thu Oct 4 13:06:23 2001	Thu Oct 4 13:18:39 2001	1571.75
RadQa	Thu Oct 4 13:18:41 2001	Thu Oct 4 13:18:42 2001	0.60
GeoQa	Thu Oct 4 13:18:45 2001	Thu Oct 4 14:35:28 2001	11.33
Output	Thu Oct 4 14:35:30 2001	Thu Oct 4 14:36:13 2001	16.76
Catalog	Thu Oct 4 14:36:15 2001	Thu Oct 4 14:36:16 2001	0.52
		-----	1805.52