

Loading default parameters from /data1/ocssw/share/common/msl12_defaults.par
Input file PACE_OCI.20250227T011247.L1B.V3.nc is PACE L1B file.

Loading characteristics for OCI

Opening sensor information file /data1/ocssw/share/oci/msl12_sensor_info.dat

Bnd	Lam	Fo	Tau_r	k_oz	k_no2	t_co2	awhite	aw
bbw								
0	314.550	112.329	4.880e-01	4.222e-01	3.282e-19	1.000e+00	0.000e+00	
2.305e-01	6.356e-03							
1	316.239	92.673	6.491e-01	5.817e-01	2.960e-19	1.000e+00	0.000e+00	
1.633e-01	7.727e-03							
2	318.262	85.208	7.410e-01	5.479e-01	2.844e-19	1.000e+00	0.000e+00	
1.278e-01	8.187e-03							
3	320.303	82.100	7.807e-01	4.616e-01	2.833e-19	1.000e+00	0.000e+00	
1.105e-01	8.271e-03							
4	322.433	80.692	7.906e-01	3.551e-01	2.898e-19	1.000e+00	0.000e+00	
9.950e-02	8.190e-03							
5	324.649	86.329	7.916e-01	2.573e-01	3.019e-19	1.000e+00	0.000e+00	
9.079e-02	8.041e-03							
6	326.828	95.925	7.891e-01	1.911e-01	3.132e-19	1.000e+00	0.000e+00	
8.475e-02	7.871e-03							
7	328.988	101.478	7.699e-01	1.387e-01	3.251e-19	1.000e+00	0.000e+00	
8.211e-02	7.627e-03							
8	331.305	101.788	7.403e-01	9.848e-02	3.418e-19	1.000e+00	0.000e+00	
8.089e-02	7.342e-03							
9	333.958	98.128	7.205e-01	6.838e-02	3.572e-19	1.000e+00	0.000e+00	
7.656e-02	7.132e-03							
10	336.815	93.719	7.113e-01	4.408e-02	3.736e-19	1.000e+00	0.000e+00	
6.891e-02	6.975e-03							
11	339.160	95.656	7.034e-01	3.080e-02	3.962e-19	1.000e+00	0.000e+00	
6.288e-02	6.834e-03							
12	341.321	97.642	6.897e-01	2.060e-02	4.075e-19	1.000e+00	0.000e+00	
5.915e-02	6.663e-03							
13	343.632	95.100	6.719e-01	1.437e-02	4.137e-19	1.000e+00	0.000e+00	
5.624e-02	6.474e-03							
14	346.017	93.133	6.529e-01	9.896e-03	4.394e-19	1.000e+00	0.000e+00	
5.365e-02	6.285e-03							
15	348.468	95.137	6.343e-01	6.055e-03	4.610e-19	1.000e+00	0.000e+00	
5.106e-02	6.097e-03							
16	350.912	99.255	6.162e-01	4.543e-03	4.617e-19	1.000e+00	0.000e+00	
4.864e-02	5.913e-03							
17	353.344	103.093	5.988e-01	3.470e-03	4.769e-19	1.000e+00	0.000e+00	
4.647e-02	5.735e-03							
18	355.782	99.177	5.823e-01	2.504e-03	5.022e-19	1.000e+00	0.000e+00	
4.450e-02	5.562e-03							
19	358.235	93.290	5.642e-01	2.290e-03	5.092e-19	1.000e+00	0.000e+00	
4.256e-02	5.394e-03							
20	360.695	97.047	5.472e-01	2.103e-03	5.116e-19	1.000e+00	0.000e+00	
4.053e-02	5.233e-03							
21	363.137	105.519	5.320e-01	1.733e-03	5.329e-19	1.000e+00	0.000e+00	
3.856e-02	5.079e-03							
22	365.610	114.651	5.178e-01	1.408e-03	5.538e-19	1.000e+00	0.000e+00	
3.642e-02	4.932e-03							
23	368.083	119.597	5.044e-01	1.276e-03	5.558e-19	1.000e+00	0.000e+00	
3.417e-02	4.789e-03							
24	370.534	116.077	4.909e-01	1.282e-03	5.591e-19	1.000e+00	0.000e+00	
3.126e-02	4.651e-03							
25	372.991	107.558	4.773e-01	1.340e-03	5.745e-19	1.000e+00	0.000e+00	
2.719e-02	4.520e-03							
26	375.482	109.618	4.629e-01	1.276e-03	5.837e-19	1.000e+00	0.000e+00	
2.270e-02	4.392e-03							
27	377.926	119.291	4.513e-01	1.106e-03	5.862e-19	1.000e+00	0.000e+00	
1.843e-02	4.269e-03							
28	380.419	112.055	4.407e-01	1.158e-03	5.944e-19	1.000e+00	0.000e+00	

1.508e-02	4.151e-03							
29	382.876	97.243	4.280e-01	1.368e-03	6.012e-19	1.000e+00	0.000e+00	
1.316e-02	4.037e-03							
30	385.359	97.233	4.157e-01	1.383e-03	6.038e-19	1.000e+00	0.000e+00	
1.228e-02	3.928e-03							
31	387.811	107.436	4.051e-01	1.255e-03	6.130e-19	1.000e+00	0.000e+00	
1.166e-02	3.822e-03							
32	390.297	112.781	3.955e-01	1.195e-03	6.225e-19	1.000e+00	0.000e+00	
1.104e-02	3.718e-03							
33	392.764	106.594	3.857e-01	1.258e-03	6.191e-19	1.000e+00	0.000e+00	
1.065e-02	3.619e-03							
34	395.238	105.608	3.747e-01	1.276e-03	6.156e-19	1.000e+00	0.000e+00	
1.040e-02	3.523e-03							
35	397.706	126.993	3.647e-01	1.084e-03	6.327e-19	1.000e+00	0.000e+00	
9.891e-03	3.430e-03							
36	400.178	156.889	3.564e-01	9.434e-04	6.340e-19	1.000e+00	0.000e+00	
8.906e-03	3.341e-03							
37	402.654	170.586	3.486e-01	9.310e-04	6.155e-19	1.000e+00	0.000e+00	
7.976e-03	3.255e-03							
38	405.127	169.248	3.400e-01	9.755e-04	6.014e-19	1.000e+00	0.000e+00	
7.534e-03	3.171e-03							
39	407.605	169.343	3.315e-01	1.064e-03	6.098e-19	1.000e+00	0.000e+00	
7.203e-03	3.090e-03							
40	410.074	173.391	3.233e-01	1.143e-03	6.224e-19	1.000e+00	0.000e+00	
6.868e-03	3.011e-03							
41	412.557	177.938	3.155e-01	1.156e-03	6.160e-19	1.000e+00	0.000e+00	
6.656e-03	2.935e-03							
42	415.025	178.901	3.079e-01	1.215e-03	5.857e-19	1.000e+00	0.000e+00	
6.565e-03	2.861e-03							
43	417.512	176.584	3.005e-01	1.324e-03	5.698e-19	1.000e+00	0.000e+00	
6.661e-03	2.789e-03							
44	419.988	175.633	2.932e-01	1.447e-03	5.927e-19	1.000e+00	0.000e+00	
6.772e-03	2.720e-03							
45	422.453	174.629	2.863e-01	1.773e-03	6.055e-19	1.000e+00	0.000e+00	
6.878e-03	2.654e-03							
46	424.940	171.281	2.796e-01	2.152e-03	5.794e-19	1.000e+00	0.000e+00	
7.006e-03	2.590e-03							
47	427.398	162.301	2.732e-01	2.242e-03	5.469e-19	1.000e+00	0.000e+00	
6.986e-03	2.527e-03							
48	429.885	153.935	2.664e-01	2.291e-03	5.332e-19	1.000e+00	0.000e+00	
6.994e-03	2.464e-03							
49	432.379	161.212	2.597e-01	2.493e-03	5.451e-19	1.000e+00	0.000e+00	
7.153e-03	2.404e-03							
50	434.869	174.113	2.539e-01	2.645e-03	5.547e-19	1.000e+00	0.000e+00	
7.438e-03	2.347e-03							
51	437.351	178.181	2.482e-01	3.022e-03	5.356e-19	1.000e+00	0.000e+00	
8.014e-03	2.291e-03							
52	439.828	182.051	2.424e-01	3.903e-03	4.971e-19	1.000e+00	0.000e+00	
8.606e-03	2.238e-03							
53	442.327	190.560	2.368e-01	4.602e-03	4.727e-19	1.000e+00	0.000e+00	
9.139e-03	2.185e-03							
54	444.811	195.324	2.315e-01	4.591e-03	4.945e-19	1.000e+00	0.000e+00	
9.760e-03	2.133e-03							
55	447.309	199.413	2.261e-01	4.548e-03	5.110e-19	1.000e+00	0.000e+00	
1.052e-02	2.082e-03							
56	449.795	205.297	2.211e-01	4.969e-03	4.801e-19	1.000e+00	0.000e+00	
1.131e-02	2.034e-03							
57	452.280	205.224	2.162e-01	5.370e-03	4.441e-19	1.000e+00	0.000e+00	
1.179e-02	1.987e-03							
58	454.769	204.442	2.114e-01	5.947e-03	4.252e-19	1.000e+00	0.000e+00	
1.203e-02	1.942e-03							
59	457.262	206.345	2.067e-01	7.421e-03	4.264e-19	1.000e+00	0.000e+00	
1.212e-02	1.898e-03							
60	459.757	207.477	2.022e-01	9.302e-03	4.351e-19	1.000e+00	0.000e+00	

1.214e-02	1.855e-03								
61	462.252	208.190	1.977e-01	1.011e-02	4.326e-19	1.000e+00	0.000e+00		
1.219e-02	1.813e-03								
62	464.737	206.088	1.935e-01	9.684e-03	4.063e-19	1.000e+00	0.000e+00		
1.238e-02	1.772e-03								
63	467.244	203.623	1.893e-01	9.648e-03	3.692e-19	1.000e+00	0.000e+00		
1.242e-02	1.733e-03								
64	469.729	203.584	1.852e-01	1.043e-02	3.441e-19	1.000e+00	0.000e+00		
1.244e-02	1.694e-03								
65	472.202	205.278	1.812e-01	1.116e-02	3.581e-19	1.000e+00	0.000e+00		
1.276e-02	1.657e-03								
66	474.700	207.110	1.774e-01	1.242e-02	3.800e-19	1.000e+00	0.000e+00		
1.326e-02	1.621e-03								
67	477.189	208.286	1.736e-01	1.528e-02	3.580e-19	1.000e+00	0.000e+00		
1.393e-02	1.586e-03								
68	479.689	209.299	1.700e-01	1.895e-02	3.337e-19	1.000e+00	0.000e+00		
1.437e-02	1.552e-03								
69	482.183	206.511	1.665e-01	2.123e-02	3.022e-19	1.000e+00	0.000e+00		
1.472e-02	1.518e-03								
70	484.689	195.706	1.631e-01	2.113e-02	2.725e-19	1.000e+00	0.000e+00		
1.533e-02	1.485e-03								
71	487.182	190.027	1.595e-01	2.039e-02	2.938e-19	1.000e+00	0.000e+00		
1.612e-02	1.454e-03								
72	489.674	195.623	1.562e-01	2.100e-02	3.043e-19	1.000e+00	0.000e+00		
1.694e-02	1.423e-03								
73	492.176	199.210	1.530e-01	2.224e-02	2.853e-19	1.000e+00	0.000e+00		
1.789e-02	1.393e-03								
74	494.686	200.467	1.499e-01	2.354e-02	2.822e-19	1.000e+00	0.000e+00		
1.916e-02	1.364e-03								
75	497.182	199.674	1.469e-01	2.613e-02	2.498e-19	1.000e+00	0.000e+00		
2.072e-02	1.336e-03								
76	499.688	195.068	1.440e-01	3.087e-02	2.021e-19	1.000e+00	0.000e+00		
2.233e-02	1.309e-03								
77	502.190	193.092	1.410e-01	3.665e-02	2.151e-19	1.000e+00	0.000e+00		
2.438e-02	1.281e-03								
78	504.695	195.670	1.382e-01	4.082e-02	2.385e-19	1.000e+00	0.000e+00		
2.700e-02	1.255e-03								
79	507.198	197.349	1.355e-01	4.179e-02	2.315e-19	1.000e+00	0.000e+00		
3.003e-02	1.230e-03								
80	509.720	196.529	1.328e-01	4.101e-02	2.296e-19	1.000e+00	0.000e+00		
3.389e-02	1.206e-03								
81	512.213	193.713	1.302e-01	4.110e-02	2.156e-19	1.000e+00	0.000e+00		
3.784e-02	1.181e-03								
82	514.729	186.203	1.277e-01	4.274e-02	1.773e-19	1.000e+00	0.000e+00		
4.045e-02	1.157e-03								
83	517.219	179.120	1.252e-01	4.504e-02	1.597e-19	1.000e+00	0.000e+00		
4.179e-02	1.134e-03								
84	519.747	181.903	1.227e-01	4.767e-02	1.620e-19	1.000e+00	0.000e+00		
4.270e-02	1.111e-03								
85	522.249	188.641	1.203e-01	5.135e-02	1.625e-19	1.000e+00	0.000e+00		
4.337e-02	1.089e-03								
86	524.771	188.972	1.180e-01	5.655e-02	1.755e-19	1.000e+00	0.000e+00		
4.387e-02	1.067e-03								
87	527.276	188.225	1.158e-01	6.292e-02	1.771e-19	1.000e+00	0.000e+00		
4.454e-02	1.049e-03								
88	529.798	191.667	1.137e-01	6.883e-02	1.592e-19	1.000e+00	0.000e+00		
4.553e-02	1.031e-03								
89	532.314	192.903	1.114e-01	7.264e-02	1.422e-19	1.000e+00	0.000e+00		
4.646e-02	1.008e-03								
90	534.859	192.064	1.092e-01	7.422e-02	1.167e-19	1.000e+00	0.000e+00		
4.743e-02	9.861e-04								
91	537.346	190.857	1.072e-01	7.488e-02	1.024e-19	1.000e+00	0.000e+00		
4.852e-02	9.673e-04								
92	539.878	188.243	1.052e-01	7.665e-02	1.097e-19	1.000e+00	0.000e+00		

4.966e-02	9.489e-04							
93	542.395	188.456	1.032e-01	7.989e-02	1.240e-19	1.000e+00	0.000e+00	
5.116e-02	9.303e-04							
94	544.904	189.880	1.013e-01	8.325e-02	1.296e-19	1.000e+00	0.000e+00	
5.328e-02	9.125e-04							
95	547.441	189.660	9.940e-02	8.591e-02	1.237e-19	1.000e+00	0.000e+00	
5.584e-02	8.953e-04							
96	549.994	189.365	9.756e-02	8.809e-02	1.129e-19	1.000e+00	0.000e+00	
5.851e-02	8.784e-04							
97	552.511	189.610	9.575e-02	9.044e-02	9.908e-20	1.000e+00	0.000e+00	
6.062e-02	8.617e-04							
98	555.044	188.825	9.400e-02	9.359e-02	8.267e-20	1.000e+00	0.000e+00	
6.191e-02	8.454e-04							
99	557.576	185.808	9.231e-02	9.814e-02	6.753e-20	1.000e+00	0.000e+00	
6.298e-02	8.297e-04							
100	560.104	184.117	9.062e-02	1.041e-01	6.706e-20	1.000e+00	0.000e+00	
6.443e-02	8.146e-04							
101	562.642	184.857	8.899e-02	1.101e-01	8.273e-20	1.000e+00	0.000e+00	
6.592e-02	7.997e-04							
102	565.190	184.926	8.737e-02	1.152e-01	8.819e-20	1.000e+00	0.000e+00	
6.740e-02	7.846e-04							
103	567.710	184.325	8.579e-02	1.194e-01	8.097e-20	1.000e+00	0.000e+00	
6.954e-02	7.698e-04							
104	570.259	184.315	8.424e-02	1.231e-01	8.258e-20	1.000e+00	0.000e+00	
7.243e-02	7.555e-04							
105	572.796	185.745	8.273e-02	1.258e-01	7.445e-20	1.000e+00	0.000e+00	
7.601e-02	7.418e-04							
106	575.343	185.854	8.131e-02	1.262e-01	5.359e-20	1.000e+00	0.000e+00	
8.077e-02	7.290e-04							
107	577.902	184.273	7.993e-02	1.245e-01	4.607e-20	1.000e+00	0.000e+00	
8.675e-02	7.169e-04							
108	580.450	184.355	7.850e-02	1.217e-01	4.637e-20	1.000e+00	0.000e+00	
9.411e-02	7.037e-04							
109	582.996	184.525	7.711e-02	1.191e-01	4.563e-20	1.000e+00	0.000e+00	
1.036e-01	6.904e-04							
110	585.553	182.317	7.581e-02	1.175e-01	4.880e-20	1.000e+00	0.000e+00	
1.147e-01	6.784e-04							
111	588.086	178.484	7.456e-02	1.172e-01	5.159e-20	1.000e+00	0.000e+00	
1.271e-01	6.670e-04							
112	590.548	177.707	7.336e-02	1.186e-01	5.765e-20	1.000e+00	0.000e+00	
1.411e-01	6.570e-04							
113	593.084	179.744	7.228e-02	1.222e-01	5.611e-20	1.000e+00	0.000e+00	
1.572e-01	6.487e-04							
114	595.679	179.969	7.117e-02	1.275e-01	4.249e-20	1.000e+00	0.000e+00	
1.772e-01	6.390e-04							
115	598.262	178.360	6.999e-02	1.328e-01	3.894e-20	1.000e+00	0.000e+00	
2.030e-01	6.276e-04							
116	600.545	176.334	6.757e-02	1.365e-01	3.874e-20	1.000e+00	0.000e+00	
2.467e-01	5.992e-04							
117	602.920	176.103	6.651e-02	1.374e-01	3.034e-20	1.000e+00	0.000e+00	
2.611e-01	5.899e-04							
118	605.461	176.462	6.543e-02	1.353e-01	2.076e-20	1.000e+00	0.000e+00	
2.702e-01	5.801e-04							
119	607.986	174.718	6.437e-02	1.310e-01	1.990e-20	1.000e+00	0.000e+00	
2.728e-01	5.706e-04							
120	610.360	172.349	6.335e-02	1.256e-01	2.700e-20	1.000e+00	0.000e+00	
2.733e-01	5.614e-04							
121	612.730	170.259	6.236e-02	1.202e-01	3.487e-20	1.000e+00	0.000e+00	
2.746e-01	5.524e-04							
122	615.145	167.958	6.137e-02	1.152e-01	3.541e-20	1.000e+00	0.000e+00	
2.763e-01	5.434e-04							
123	617.605	167.776	6.038e-02	1.107e-01	3.181e-20	1.000e+00	0.000e+00	
2.790e-01	5.346e-04							
124	620.061	168.949	5.942e-02	1.070e-01	2.798e-20	1.000e+00	0.000e+00	

2.832e-01 5.259e-04
125 622.530 167.509 5.848e-02 1.038e-01 2.439e-20 1.000e+00 0.000e+00
2.876e-01 5.173e-04
126 624.988 165.836 5.754e-02 1.007e-01 2.069e-20 1.000e+00 0.000e+00
2.918e-01 5.089e-04
127 627.434 166.449 5.663e-02 9.740e-02 1.634e-20 1.000e+00 0.000e+00
2.963e-01 5.006e-04
128 629.898 165.916 5.575e-02 9.400e-02 1.319e-20 1.000e+00 0.000e+00
3.008e-01 4.925e-04
129 632.376 164.217 5.486e-02 9.046e-02 1.304e-20 1.000e+00 0.000e+00
3.055e-01 4.846e-04
130 634.830 163.716 5.400e-02 8.676e-02 1.402e-20 1.000e+00 0.000e+00
3.097e-01 4.768e-04
131 637.305 163.528 5.316e-02 8.287e-02 1.464e-20 1.000e+00 0.000e+00
3.137e-01 4.692e-04
132 639.791 162.046 5.234e-02 7.890e-02 1.583e-20 1.000e+00 0.000e+00
3.191e-01 4.618e-04
133 641.029 161.215 5.193e-02 7.696e-02 1.681e-20 1.000e+00 0.000e+00
3.224e-01 4.581e-04
134 642.255 160.637 5.152e-02 7.512e-02 1.768e-20 1.000e+00 0.000e+00
3.258e-01 4.545e-04
135 643.479 160.358 5.112e-02 7.339e-02 1.849e-20 1.000e+00 0.000e+00
3.293e-01 4.509e-04
136 644.716 160.231 5.073e-02 7.176e-02 1.919e-20 1.000e+00 0.000e+00
3.327e-01 4.473e-04
137 645.966 159.892 5.034e-02 7.021e-02 1.946e-20 1.000e+00 0.000e+00
3.360e-01 4.437e-04
138 647.188 159.257 4.995e-02 6.871e-02 1.898e-20 1.000e+00 0.000e+00
3.396e-01 4.402e-04
139 648.435 158.725 4.956e-02 6.727e-02 1.756e-20 1.000e+00 0.000e+00
3.436e-01 4.367e-04
140 649.667 158.332 4.918e-02 6.588e-02 1.544e-20 1.000e+00 0.000e+00
3.486e-01 4.333e-04
141 650.913 158.267 4.880e-02 6.453e-02 1.328e-20 1.000e+00 0.000e+00
3.546e-01 4.299e-04
142 652.153 157.786 4.843e-02 6.321e-02 1.167e-20 1.000e+00 0.000e+00
3.616e-01 4.265e-04
143 653.388 155.176 4.807e-02 6.193e-02 1.068e-20 1.000e+00 0.000e+00
3.693e-01 4.231e-04
144 654.622 151.696 4.771e-02 6.060e-02 9.722e-21 1.000e+00 0.000e+00
3.774e-01 4.198e-04
145 655.869 148.458 4.733e-02 5.922e-02 8.805e-21 1.000e+00 0.000e+00
3.858e-01 4.166e-04
146 657.101 147.693 4.695e-02 5.782e-02 7.987e-21 1.000e+00 0.000e+00
3.947e-01 4.133e-04
147 658.340 149.665 4.658e-02 5.648e-02 7.170e-21 1.000e+00 0.000e+00
4.036e-01 4.101e-04
148 659.600 152.508 4.623e-02 5.523e-02 6.329e-21 1.000e+00 0.000e+00
4.119e-01 4.070e-04
149 660.833 154.888 4.590e-02 5.404e-02 5.541e-21 1.000e+00 0.000e+00
4.192e-01 4.038e-04
150 662.067 155.421 4.555e-02 5.283e-02 4.976e-21 1.000e+00 0.000e+00
4.251e-01 4.007e-04
151 663.300 155.288 4.521e-02 5.159e-02 4.897e-21 1.000e+00 0.000e+00
4.297e-01 3.976e-04
152 664.564 154.996 4.487e-02 5.029e-02 5.478e-21 1.000e+00 0.000e+00
4.334e-01 3.945e-04
153 665.795 154.702 4.453e-02 4.895e-02 6.640e-21 1.000e+00 0.000e+00
4.363e-01 3.915e-04
154 667.023 154.397 4.420e-02 4.759e-02 7.980e-21 1.000e+00 0.000e+00
4.389e-01 3.885e-04
155 668.263 154.032 4.387e-02 4.622e-02 9.022e-21 1.000e+00 0.000e+00
4.415e-01 3.855e-04
156 669.518 153.450 4.354e-02 4.488e-02 9.638e-21 1.000e+00 0.000e+00

4.442e-01	3.825e-04							
157	670.755	152.850	4.321e-02	4.356e-02	9.943e-21	1.000e+00	0.000e+00	
4.471e-01	3.796e-04							
158	671.990	152.293	4.289e-02	4.229e-02	1.010e-20	1.000e+00	0.000e+00	
4.497e-01	3.767e-04							
159	673.245	151.891	4.257e-02	4.107e-02	1.027e-20	1.000e+00	0.000e+00	
4.523e-01	3.738e-04							
160	674.503	151.637	4.225e-02	3.991e-02	1.027e-20	1.000e+00	0.000e+00	
4.551e-01	3.710e-04							
161	675.731	151.432	4.194e-02	3.879e-02	9.926e-21	1.000e+00	0.000e+00	
4.583e-01	3.681e-04							
162	676.963	151.158	4.163e-02	3.774e-02	9.232e-21	1.000e+00	0.000e+00	
4.620e-01	3.654e-04							
163	678.208	150.793	4.132e-02	3.675e-02	8.304e-21	1.000e+00	0.000e+00	
4.661e-01	3.626e-04							
164	679.448	150.431	4.102e-02	3.584e-02	7.379e-21	1.000e+00	0.000e+00	
4.703e-01	3.599e-04							
165	680.680	149.908	4.072e-02	3.503e-02	6.553e-21	1.000e+00	0.000e+00	
4.747e-01	3.572e-04							
166	681.919	149.250	4.042e-02	3.430e-02	5.895e-21	1.000e+00	0.000e+00	
4.794e-01	3.545e-04							
167	683.171	148.497	4.012e-02	3.361e-02	5.490e-21	1.000e+00	0.000e+00	
4.845e-01	3.518e-04							
168	684.417	147.875	3.983e-02	3.292e-02	5.184e-21	1.000e+00	0.000e+00	
4.901e-01	3.492e-04							
169	685.657	147.506	3.953e-02	3.216e-02	4.905e-21	1.000e+00	0.000e+00	
4.962e-01	3.466e-04							
170	686.894	147.418	3.924e-02	3.131e-02	4.525e-21	1.000e+00	0.000e+00	
5.029e-01	3.440e-04							
171	688.143	147.395	3.896e-02	3.039e-02	4.024e-21	1.000e+00	0.000e+00	
5.103e-01	3.414e-04							
172	689.394	147.151	3.867e-02	2.943e-02	3.539e-21	1.000e+00	0.000e+00	
5.186e-01	3.389e-04							
173	690.647	146.716	3.839e-02	2.845e-02	3.144e-21	1.000e+00	0.000e+00	
5.276e-01	3.363e-04							
174	691.888	146.142	3.811e-02	2.750e-02	2.906e-21	1.000e+00	0.000e+00	
5.375e-01	3.338e-04							
175	693.130	145.677	3.784e-02	2.657e-02	2.763e-21	1.000e+00	0.000e+00	
5.484e-01	3.314e-04							
176	694.382	145.179	3.756e-02	2.567e-02	2.656e-21	1.000e+00	0.000e+00	
5.605e-01	3.289e-04							
177	695.644	144.677	3.729e-02	2.479e-02	2.542e-21	1.000e+00	0.000e+00	
5.740e-01	3.265e-04							
178	696.891	144.075	3.702e-02	2.394e-02	2.429e-21	1.000e+00	0.000e+00	
5.888e-01	3.241e-04							
179	698.118	143.268	3.676e-02	2.315e-02	2.343e-21	1.000e+00	0.000e+00	
6.047e-01	3.217e-04							
180	699.376	142.395	3.649e-02	2.241e-02	2.369e-21	1.000e+00	0.000e+00	
6.215e-01	3.193e-04							
181	700.612	141.534	3.623e-02	2.174e-02	2.581e-21	1.000e+00	0.000e+00	
6.393e-01	3.170e-04							
182	701.858	141.038	3.597e-02	2.114e-02	3.029e-21	1.000e+00	0.000e+00	
6.580e-01	3.147e-04							
183	703.097	140.862	3.571e-02	2.061e-02	3.660e-21	1.000e+00	0.000e+00	
6.780e-01	3.124e-04							
184	704.354	140.959	3.546e-02	2.014e-02	4.374e-21	1.000e+00	0.000e+00	
6.995e-01	3.101e-04							
185	705.593	140.985	3.521e-02	1.972e-02	4.920e-21	1.000e+00	0.000e+00	
7.231e-01	3.078e-04							
186	706.833	140.752	3.496e-02	1.934e-02	5.156e-21	1.000e+00	0.000e+00	
7.499e-01	3.056e-04							
187	708.089	140.295	3.471e-02	1.900e-02	5.111e-21	1.000e+00	0.000e+00	
7.805e-01	3.034e-04							
188	709.337	139.692	3.446e-02	1.868e-02	4.920e-21	1.000e+00	0.000e+00	

8.152e-01 3.012e-04
189 710.581 139.124 3.422e-02 1.842e-02 4.776e-21 1.000e+00 0.000e+00
8.540e-01 2.990e-04
190 711.826 138.487 3.398e-02 1.820e-02 4.601e-21 1.000e+00 0.000e+00
8.959e-01 2.968e-04
191 713.068 137.908 3.374e-02 1.804e-02 4.294e-21 1.000e+00 0.000e+00
9.408e-01 2.947e-04
192 714.316 137.372 3.350e-02 1.788e-02 3.751e-21 1.000e+00 0.000e+00
9.886e-01 2.926e-04
193 716.817 136.140 3.303e-02 1.733e-02 2.447e-21 1.000e+00 0.000e+00
1.093e+00 2.884e-04
194 719.298 134.717 3.257e-02 1.625e-02 1.823e-21 1.000e+00 0.000e+00
1.206e+00 2.843e-04
195 721.800 134.219 3.212e-02 1.496e-02 1.858e-21 1.000e+00 0.000e+00
1.327e+00 2.802e-04
196 724.303 134.304 3.167e-02 1.391e-02 1.678e-21 1.000e+00 0.000e+00
1.461e+00 2.763e-04
197 726.796 133.385 3.124e-02 1.304e-02 1.167e-21 1.000e+00 0.000e+00
1.642e+00 2.724e-04
198 729.299 132.080 3.081e-02 1.220e-02 8.984e-22 1.000e+00 0.000e+00
1.891e+00 2.686e-04
199 731.790 131.723 3.038e-02 1.153e-02 9.392e-22 1.000e+00 0.000e+00
2.176e+00 2.648e-04
200 734.281 131.437 2.997e-02 1.114e-02 1.157e-21 1.000e+00 0.000e+00
2.438e+00 2.611e-04
201 736.791 130.196 2.956e-02 1.096e-02 1.301e-21 1.000e+00 0.000e+00
2.621e+00 2.575e-04
202 739.287 128.322 2.916e-02 1.090e-02 1.303e-21 1.000e+00 0.000e+00
2.732e+00 2.539e-04
203 740.535 127.705 2.897e-02 1.093e-02 1.339e-21 1.000e+00 0.000e+00
2.770e+00 2.521e-04
204 741.785 127.371 2.877e-02 1.103e-02 1.496e-21 1.000e+00 0.000e+00
2.799e+00 2.504e-04
205 743.046 127.484 2.857e-02 1.119e-02 1.813e-21 1.000e+00 0.000e+00
2.819e+00 2.486e-04
206 744.286 127.690 2.838e-02 1.137e-02 2.156e-21 1.000e+00 0.000e+00
2.832e+00 2.469e-04
207 745.534 127.841 2.819e-02 1.153e-02 2.323e-21 1.000e+00 0.000e+00
2.840e+00 2.452e-04
208 746.789 127.726 2.800e-02 1.159e-02 2.205e-21 1.000e+00 0.000e+00
2.846e+00 2.435e-04
209 748.041 127.292 2.781e-02 1.150e-02 1.877e-21 1.000e+00 0.000e+00
2.850e+00 2.419e-04
210 749.279 126.747 2.762e-02 1.122e-02 1.554e-21 1.000e+00 0.000e+00
2.854e+00 2.402e-04
211 750.540 126.200 2.744e-02 1.074e-02 1.390e-21 1.000e+00 0.000e+00
2.857e+00 2.386e-04
212 751.792 125.866 2.725e-02 1.013e-02 1.397e-21 1.000e+00 0.000e+00
2.862e+00 2.369e-04
213 753.042 125.688 2.707e-02 9.483e-03 1.443e-21 1.000e+00 0.000e+00
2.867e+00 2.353e-04
214 754.294 125.509 2.689e-02 8.865e-03 1.420e-21 1.000e+00 0.000e+00
2.870e+00 2.337e-04
215 755.542 125.165 2.671e-02 8.327e-03 1.307e-21 1.000e+00 0.000e+00
2.872e+00 2.321e-04
216 756.802 124.782 2.654e-02 7.887e-03 1.120e-21 1.000e+00 0.000e+00
2.871e+00 2.305e-04
217 758.051 124.408 2.636e-02 7.536e-03 8.962e-22 1.000e+00 0.000e+00
2.869e+00 2.290e-04
218 759.299 124.097 2.619e-02 7.263e-03 6.952e-22 1.000e+00 0.000e+00
2.868e+00 2.274e-04
219 760.558 123.926 2.601e-02 7.046e-03 5.664e-22 1.000e+00 0.000e+00
2.867e+00 2.259e-04
220 761.802 123.728 2.584e-02 6.870e-03 5.311e-22 1.000e+00 0.000e+00

2.866e+00	2.243e-04							
221	763.060	123.220	2.567e-02	6.729e-03	5.616e-22	1.000e+00	0.000e+00	
2.864e+00	2.228e-04							
222	764.310	122.490	2.550e-02	6.613e-03	6.061e-22	1.000e+00	0.000e+00	
2.859e+00	2.213e-04							
223	765.557	121.679	2.534e-02	6.524e-03	6.187e-22	1.000e+00	0.000e+00	
2.851e+00	2.198e-04							
224	766.815	121.056	2.517e-02	6.466e-03	5.747e-22	1.000e+00	0.000e+00	
2.843e+00	2.184e-04							
225	768.071	120.707	2.500e-02	6.448e-03	4.880e-22	1.000e+00	0.000e+00	
2.834e+00	2.169e-04							
226	769.326	120.507	2.484e-02	6.482e-03	3.905e-22	1.000e+00	0.000e+00	
2.824e+00	2.155e-04							
227	770.564	120.407	2.468e-02	6.585e-03	3.156e-22	1.000e+00	0.000e+00	
2.813e+00	2.140e-04							
228	771.823	120.035	2.452e-02	6.767e-03	2.764e-22	1.000e+00	0.000e+00	
2.800e+00	2.126e-04							
229	773.074	119.765	2.436e-02	7.035e-03	2.723e-22	1.000e+00	0.000e+00	
2.786e+00	2.112e-04							
230	774.338	119.542	2.420e-02	7.369e-03	2.949e-22	1.000e+00	0.000e+00	
2.771e+00	2.098e-04							
231	776.832	119.096	2.389e-02	8.069e-03	3.684e-22	1.000e+00	0.000e+00	
2.741e+00	2.070e-04							
232	779.336	118.633	2.358e-02	8.375e-03	4.135e-22	1.000e+00	0.000e+00	
2.699e+00	2.043e-04							
233	781.843	118.122	2.328e-02	7.962e-03	4.360e-22	1.000e+00	0.000e+00	
2.650e+00	2.016e-04							
234	784.350	117.631	2.298e-02	7.054e-03	4.866e-22	1.000e+00	0.000e+00	
2.598e+00	1.990e-04							
235	786.855	117.233	2.269e-02	6.138e-03	6.189e-22	1.000e+00	0.000e+00	
2.541e+00	1.964e-04							
236	789.367	116.445	2.240e-02	5.442e-03	8.417e-22	1.000e+00	0.000e+00	
2.482e+00	1.939e-04							
237	791.865	114.587	2.212e-02	4.901e-03	7.864e-22	1.000e+00	0.000e+00	
2.423e+00	1.914e-04							
238	794.382	113.353	2.184e-02	4.449e-03	4.477e-22	1.000e+00	0.000e+00	
2.369e+00	1.889e-04							
239	796.881	113.677	2.157e-02	4.130e-03	2.896e-22	1.000e+00	0.000e+00	
2.321e+00	1.865e-04							
240	799.394	113.456	2.130e-02	3.943e-03	3.150e-22	1.000e+00	0.000e+00	
2.274e+00	1.841e-04							
241	801.901	112.543	2.104e-02	3.847e-03	3.324e-22	1.000e+00	0.000e+00	
2.237e+00	1.818e-04							
242	804.409	111.714	2.078e-02	3.891e-03	2.311e-22	1.000e+00	0.000e+00	
2.212e+00	1.794e-04							
243	806.913	110.849	2.052e-02	4.170e-03	1.138e-22	1.000e+00	0.000e+00	
2.196e+00	1.772e-04							
244	809.428	110.234	2.027e-02	4.692e-03	9.679e-23	1.000e+00	0.000e+00	
2.192e+00	1.750e-04							
245	811.932	110.170	2.003e-02	5.313e-03	1.269e-22	1.000e+00	0.000e+00	
2.203e+00	1.728e-04							
246	814.440	109.946	1.979e-02	5.836e-03	1.404e-22	1.000e+00	0.000e+00	
2.232e+00	1.706e-04							
247	816.943	108.613	1.955e-02	6.024e-03	1.071e-22	1.000e+00	0.000e+00	
2.276e+00	1.685e-04							
248	819.456	106.799	1.932e-02	5.699e-03	6.951e-23	1.000e+00	0.000e+00	
2.340e+00	1.665e-04							
249	821.961	106.192	1.908e-02	4.915e-03	6.593e-23	1.000e+00	0.000e+00	
2.440e+00	1.644e-04							
250	824.462	106.574	1.885e-02	3.982e-03	8.303e-23	1.000e+00	0.000e+00	
2.605e+00	1.623e-04							
251	826.984	106.537	1.862e-02	3.184e-03	1.015e-22	1.000e+00	0.000e+00	
2.847e+00	1.603e-04							
252	829.489	105.791	1.840e-02	2.619e-03	1.147e-22	1.000e+00	0.000e+00	

3.138e+00	1.583e-04								
253	832.005	104.368	1.817e-02	2.258e-03	1.471e-22	1.000e+00	0.000e+00		
3.433e+00	1.564e-04								
254	834.507	103.511	1.795e-02	2.051e-03	1.969e-22	1.000e+00	0.000e+00		
3.664e+00	1.544e-04								
255	837.018	103.470	1.774e-02	1.974e-03	1.944e-22	1.000e+00	0.000e+00		
3.810e+00	1.526e-04								
256	839.516	103.245	1.754e-02	1.991e-03	1.761e-22	1.000e+00	0.000e+00		
3.914e+00	1.508e-04								
257	842.031	102.549	1.733e-02	2.082e-03	1.913e-22	1.000e+00	0.000e+00		
3.996e+00	1.489e-04								
258	844.538	101.870	1.713e-02	2.267e-03	1.738e-22	1.000e+00	0.000e+00		
4.064e+00	1.471e-04								
259	847.062	100.769	1.693e-02	2.603e-03	1.157e-22	1.000e+00	0.000e+00		
4.128e+00	1.453e-04								
260	849.572	98.572	1.673e-02	3.173e-03	7.476e-23	1.000e+00	0.000e+00		
4.189e+00	1.436e-04								
261	852.086	94.626	1.654e-02	3.781e-03	8.115e-23	1.000e+00	0.000e+00		
4.243e+00	1.419e-04								
262	854.586	92.347	1.634e-02	3.975e-03	1.025e-22	1.000e+00	0.000e+00		
4.301e+00	1.402e-04								
263	857.103	95.812	1.614e-02	3.669e-03	8.659e-23	1.000e+00	0.000e+00		
4.366e+00	1.385e-04								
264	859.594	98.548	1.595e-02	3.165e-03	6.503e-23	1.000e+00	0.000e+00		
4.432e+00	1.368e-04								
265	862.112	97.907	1.577e-02	2.573e-03	6.385e-23	1.000e+00	0.000e+00		
4.501e+00	1.352e-04								
266	864.610	94.326	1.560e-02	2.052e-03	5.997e-23	1.000e+00	0.000e+00		
4.585e+00	1.336e-04								
267	867.113	91.864	1.542e-02	1.649e-03	6.114e-23	1.000e+00	0.000e+00		
4.670e+00	1.321e-04								
268	869.613	94.043	1.524e-02	1.362e-03	6.068e-23	1.000e+00	0.000e+00		
4.755e+00	1.305e-04								
269	872.129	95.080	1.507e-02	1.178e-03	5.794e-23	1.000e+00	0.000e+00		
4.860e+00	1.290e-04								
270	874.636	94.395	1.490e-02	1.081e-03	6.093e-23	1.000e+00	0.000e+00		
4.980e+00	1.275e-04								
271	877.145	94.003	1.472e-02	1.057e-03	6.732e-23	1.000e+00	0.000e+00		
5.111e+00	1.260e-04								
272	879.637	93.393	1.456e-02	1.097e-03	7.284e-23	1.000e+00	0.000e+00		
5.252e+00	1.245e-04								
273	882.136	93.138	1.440e-02	1.184e-03	7.404e-23	1.000e+00	0.000e+00		
5.399e+00	1.231e-04								
274	884.639	92.918	1.424e-02	1.303e-03	7.028e-23	1.000e+00	0.000e+00		
5.535e+00	1.217e-04								
275	887.130	92.343	1.408e-02	1.422e-03	7.848e-23	1.000e+00	0.000e+00		
5.669e+00	1.203e-04								
276	889.598	92.274	1.393e-02	1.469e-03	1.133e-22	1.000e+00	0.000e+00		
5.813e+00	1.190e-04								
277	892.093	91.902	1.378e-02	1.484e-03	1.219e-22	1.000e+00	0.000e+00		
5.950e+00	1.177e-04								
278	894.601	91.528	1.364e-02	1.609e-03	9.414e-23	1.000e+00	0.000e+00		
6.078e+00	1.164e-04								
279	939.713	81.981	1.109e-02	5.011e-04	7.264e-24	1.000e+00	0.000e+00		
2.247e+01	9.450e-05								
280	1038.317	67.021	7.464e-03	3.476e-05	3.123e-27	1.000e+00	0.000e+00		
2.308e+01	6.293e-05								
281	1248.550	44.511	3.536e-03	8.547e-09	1.214e-26	1.000e+00	0.000e+00		
1.125e+02	2.952e-05								
282	1378.169	35.562	2.376e-03	1.119e-08	3.019e-26	1.000e+00	0.000e+00		
5.588e+02	1.971e-05								
283	1618.034	23.500	1.252e-03	3.028e-09	8.987e-27	1.000e+00	0.000e+00		
7.136e+02	1.026e-05								
284	2130.593	9.111	4.152e-04	1.151e-08	3.421e-26	1.000e+00	0.000e+00		

2.521e+03 3.356e-06
285 2258.429 7.397 3.292e-04 9.465e-09 2.823e-26 1.000e+00 0.000e+00
2.208e+03 2.651e-06

Loading default parameters for OCI from
/data1/ocssw/share/oci/msl12_defaults.par
Loading parameters for suite OC from
/data1/ocssw/share/oci/msl12_defaults_OC.par
Loading command line parameters

Loading user parameters for OCI

Internal data compression requested at compression level: 4
Opening filter file /data1/ocssw/share/oci/msl12_filter.dat
Setting 5 x 3 straylight filter on CLDICE mask

Filter Kernel

1 1 1 1 1
1 1 1 1 1
1 1 1 1 1

Minimum fill set to 8 pixels

Opening OCI L1B file
OCI L1B Npix :1272 Nlines:1709
file->nbands = 286
Allocated 38134432 bytes in L1 record.
Allocated 14958856 bytes in error record.
Allocated 14612736 bytes in L2 record.

Opening: PACE_OCI.20250227T011247.L2.nc

The following products will be included in PACE_OCI.20250227T011247.L2.nc.

0 rhos_432
1 rhos_435
2 rhos_437
3 rhos_440
4 rhos_442
5 rhos_445
6 rhos_447
7 rhos_450
8 rhos_452
9 rhos_455
10 rhos_545
11 rhos_547
12 rhos_550
13 rhos_553
14 rhos_555
15 rhos_558
16 rhos_560
17 rhos_563
18 rhos_565
19 rhos_568
20 rhos_665
21 rhos_666
22 rhos_667
23 rhos_668
24 rhos_670
25 rhos_671
26 rhos_672
27 rhos_673

28 rhos_675
29 rhos_676
30 l2_flags

Begin l2gen Version 9.11.0-V2025.1 Processing
Sensor is OCI
Sensor ID is 30
Sensor has 286 reflective bands
Sensor has 0 emissive bands
Number of along-track detectors per band is 1
Number of input pixels per scan is 1272
Processing pixels 1 to 1272 by 1
Processing scans 1 to 1709 by 1
Ocean processing enabled
Land processing enabled
Atmospheric correction enabled

Begin MS12 processing at 2025059161345000

Allocated 38134432 bytes in L1 record.
Allocated 38134432 bytes in L1 record.
Allocated 38134432 bytes in L1 record.
Allocated 14958856 bytes in error record.
Allocated 14958856 bytes in error record.
Allocated 14958856 bytes in error record.
Loading land mask information from
/data1/ocssw/share/common/gebco_ocssw_v2020.nc
Loading DEM information from /data1/ocssw/share/common/gebco_ocssw_v2020.nc
Loading ice mask file from /data1/ocssw/share/common/ice_climatology.hdf
Loaded monthly NSIDC ice climatology HDF file.
Loading DEM info from /data1/ocssw/share/common/gebco_ocssw_v2020.nc
Loading climatology file /data1/ocssw/share/common/sst_climatology.hdf
Loading SSS reference from Climatology file:
/data1/ocssw/share/common/sss_climatology_woa2009.hdf

Opening meteorological files.

met1 = /data1/ocssw/share/common/met_climatology_v2014.hdf
met2 =
met3 =
ozone1 = /data1/ocssw/share/common/ozone_climatology_v2014.hdf
ozone2 =
ozone3 =
no2 = /data1/ocssw/share/common/no2_climatology_v2013.hdf

Opening ozone file /data1/ocssw/share/common/ozone_climatology_v2014.hdf

Opening NO2 file /data1/ocssw/share/common/no2_climatology_v2013.hdf

Opening NO2 frac file /data1/ocssw/share/common/trop_f_no2_200m.hdf

Reading gas transmittance file:

/data1/ocssw/share/oci/oci_gas_transmittance_cia_amf_v3.2.nc.

Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_315_iqu.nc
Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_316_iqu.nc
Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_318_iqu.nc
Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_320_iqu.nc
Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_322_iqu.nc

[illegible]

[illegible]

[illegible]

[illegible]

Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_852_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_855_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_857_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_860_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_862_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_865_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_867_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_870_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_872_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_875_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_877_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_880_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_882_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_885_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_887_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_890_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_892_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_895_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_940_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_1038_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_1249_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_1378_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_1618_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_2131_iqu.nc
 Loading Rayleigh LUT /data1/ocssw/share/oci/rayleigh/rayleigh_oci_2258_iqu.nc

Using 869.6 nm channel for cloud flagging over water.
 Using 412.6 nm channel for cloud flagging over land.

Reading uncertainty from: /data1/ocssw/share/oci/uncertainty.nc
 Processing scan # 0 (1 of 1709) after 3 seconds
 Aerosol selection bands 751 and 870
 NIR correction enabled --> for spectral matching.
 Loading aerosol models from /data1/ocssw/share/oci/aerosol/aerosol_oci
 Number of Wavelengths 286
 Number of Solar Zenith Angles 45
 Number of View Zenith Angles 41
 Number of Relative Azimuth Angles 20
 Number of Principal Components 30
 Number of tau 870 Angles 9

Limiting aerosol models based on RH.

Using Spectral Matching of aerosols reflectance for
 wavelength from 750.5 nm to 869.6 nm for model selection
 Allocated 14958856 bytes in error record.
 Allocated 14958856 bytes in error record.

80 aerosol models: 8 humidities x 10 size fractions
 model 0, rh=30.000002, sd=5, alpha=2.195868, name=r30f95
 model 1, rh=30.000002, sd=20, alpha=2.080902, name=r30f80
 model 2, rh=30.000002, sd=50, alpha=1.741297, name=r30f50
 model 3, rh=30.000002, sd=70, alpha=1.353765, name=r30f30
 model 4, rh=30.000002, sd=80, alpha=1.055717, name=r30f20
 model 5, rh=30.000002, sd=90, alpha=0.613691, name=r30f10
 model 6, rh=30.000002, sd=95, alpha=0.291905, name=r30f05
 model 7, rh=30.000002, sd=98, alpha=0.041746, name=r30f02
 model 8, rh=30.000002, sd=99, alpha=-0.055294, name=r30f01
 model 9, rh=30.000002, sd=100, alpha=-0.160986, name=r30f00
 model 10, rh=50.000000, sd=5, alpha=2.185652, name=r50f95
 model 11, rh=50.000000, sd=20, alpha=2.072113, name=r50f80
 model 12, rh=50.000000, sd=50, alpha=1.736037, name=r50f50
 model 13, rh=50.000000, sd=70, alpha=1.351452, name=r50f30
 model 14, rh=50.000000, sd=80, alpha=1.055006, name=r50f20
 model 15, rh=50.000000, sd=90, alpha=0.614437, name=r50f10

model 16, rh=50.000000, sd=95, alpha=0.293084, name=r50f05
model 17, rh=50.000000, sd=98, alpha=0.042913, name=r50f02
model 18, rh=50.000000, sd=99, alpha=-0.054214, name=r50f01
model 19, rh=50.000000, sd=100, alpha=-0.160053, name=r50f00
model 20, rh=70.000000, sd=5, alpha=2.162975, name=r70f95
model 21, rh=70.000000, sd=20, alpha=2.066226, name=r70f80
model 22, rh=70.000000, sd=50, alpha=1.770589, name=r70f50
model 23, rh=70.000000, sd=70, alpha=1.416016, name=r70f30
model 24, rh=70.000000, sd=80, alpha=1.131202, name=r70f20
model 25, rh=70.000000, sd=90, alpha=0.689151, name=r70f10
model 26, rh=70.000000, sd=95, alpha=0.351549, name=r70f05
model 27, rh=70.000000, sd=98, alpha=0.078747, name=r70f02
model 28, rh=70.000000, sd=99, alpha=-0.029792, name=r70f01
model 29, rh=70.000000, sd=100, alpha=-0.149895, name=r70f00
model 30, rh=75.000000, sd=5, alpha=2.118432, name=r75f95
model 31, rh=75.000000, sd=20, alpha=2.038649, name=r75f80
model 32, rh=75.000000, sd=50, alpha=1.786870, name=r75f50
model 33, rh=75.000000, sd=70, alpha=1.469576, name=r75f30
model 34, rh=75.000000, sd=80, alpha=1.202941, name=r75f20
model 35, rh=75.000000, sd=90, alpha=0.768258, name=r75f10
model 36, rh=75.000000, sd=95, alpha=0.418238, name=r75f05
model 37, rh=75.000000, sd=98, alpha=0.122661, name=r75f02
model 38, rh=75.000000, sd=99, alpha=0.001526, name=r75f01
model 39, rh=75.000000, sd=100, alpha=-0.135091, name=r75f00
model 40, rh=80.000000, sd=5, alpha=2.023311, name=r80f95
model 41, rh=80.000000, sd=20, alpha=1.955203, name=r80f80
model 42, rh=80.000000, sd=50, alpha=1.735948, name=r80f50
model 43, rh=80.000000, sd=70, alpha=1.450873, name=r80f30
model 44, rh=80.000000, sd=80, alpha=1.204292, name=r80f20
model 45, rh=80.000000, sd=90, alpha=0.789448, name=r80f10
model 46, rh=80.000000, sd=95, alpha=0.444207, name=r80f05
model 47, rh=80.000000, sd=98, alpha=0.144784, name=r80f02
model 48, rh=80.000000, sd=99, alpha=0.019897, name=r80f01
model 49, rh=80.000000, sd=100, alpha=-0.122552, name=r80f00
model 50, rh=85.000000, sd=5, alpha=1.941783, name=r85f95
model 51, rh=85.000000, sd=20, alpha=1.880749, name=r85f80
model 52, rh=85.000000, sd=50, alpha=1.681969, name=r85f50
model 53, rh=85.000000, sd=70, alpha=1.418650, name=r85f30
model 54, rh=85.000000, sd=80, alpha=1.186841, name=r85f20
model 55, rh=85.000000, sd=90, alpha=0.789202, name=r85f10
model 56, rh=85.000000, sd=95, alpha=0.451528, name=r85f05
model 57, rh=85.000000, sd=98, alpha=0.153919, name=r85f02
model 58, rh=85.000000, sd=99, alpha=0.028486, name=r85f01
model 59, rh=85.000000, sd=100, alpha=-0.115537, name=r85f00
model 60, rh=90.000000, sd=5, alpha=1.860837, name=r90f95
model 61, rh=90.000000, sd=20, alpha=1.808119, name=r90f80
model 62, rh=90.000000, sd=50, alpha=1.633757, name=r90f50
model 63, rh=90.000000, sd=70, alpha=1.396786, name=r90f30
model 64, rh=90.000000, sd=80, alpha=1.182832, name=r90f20
model 65, rh=90.000000, sd=90, alpha=0.804794, name=r90f10
model 66, rh=90.000000, sd=95, alpha=0.473155, name=r90f05
model 67, rh=90.000000, sd=98, alpha=0.172704, name=r90f02
model 68, rh=90.000000, sd=99, alpha=0.043690, name=r90f01
model 69, rh=90.000000, sd=100, alpha=-0.106277, name=r90f00
model 70, rh=95.000000, sd=5, alpha=1.741890, name=r95f95
model 71, rh=95.000000, sd=20, alpha=1.702224, name=r95f80
model 72, rh=95.000000, sd=50, alpha=1.567437, name=r95f50
model 73, rh=95.000000, sd=70, alpha=1.375453, name=r95f30
model 74, rh=95.000000, sd=80, alpha=1.193434, name=r95f20
model 75, rh=95.000000, sd=90, alpha=0.851522, name=r95f10
model 76, rh=95.000000, sd=95, alpha=0.529470, name=r95f05
model 77, rh=95.000000, sd=98, alpha=0.218423, name=r95f02
model 78, rh=95.000000, sd=99, alpha=0.078690, name=r95f01
model 79, rh=95.000000, sd=100, alpha=-0.088852, name=r95f00

chl_hu: using 442.33 547.44 669.52
rh_ndims=5 rh_dimids=0 1 2 3 4
morel f/q file dimensions n_a=7 n_n=16 n_c=6 n_s=6 n_w=70

Reading foq file /data1/ocssw/share/common/morel_fq_hyperspectral.nc ndims=5
nvars=6 sds_id=0 var=foq

Closing foq file /data1/ocssw/share/common/morel_fq_hyperspectral.nc

Morel f/Q table from file /data1/ocssw/share/common/morel_fq_hyperspectral.nc

Applying ocean BRDF including:
Reflection/refraction for upwelling radiance.
Reflection/refraction for downwelling radiance.
Morel f/Q

Compute Raman scattering correction #2.

Loading Raman coefficients from: /data1/ocssw/share/oci/raman.nc.
Warning: Cannot apply GMAO total extinction absorbing aerosol test without
anc_aerosol inputs defined
Setting absaer_opt=0

Processing scan # 50 (51 of 1709) after 63 seconds
line 632 of /home/dshea/ocssw/oel_hdf4/libl1/l1_oci.c: NetCDF: HDF error