

Cloud Amount					
Month	Stddev(diff)	Monthly Mean (nnHIRS Actual)	Stddev	Monthly Mean (nnHIRS Climatology)	Stddev
January	1.08254	63.9933	1.1095	63.9508	1.10372
February	0.723456	64.0804	1.59056	64.0237	1.59387
March	0.721442	64.9265	1.42121	64.8769	1.45613
April	0.572309	65.2001	1.52936	65.1528	1.53831
May	0.460216	64.1396	1.61989	64.0997	1.59281
June	0.547642	63.6367	1.40483	63.5906	1.43083
July	0.732027	64.0118	1.44974	63.9597	1.50551
August	0.778585	64.0315	1.07101	63.9683	1.07907
September	0.723594	64.052	1.31776	63.9857	1.33838
October	0.952273	64.953	1.03179	64.8992	1.07247
November	0.560348	65.0373	1.3339	64.9949	1.35606
December	0.623911	65.6415	1.32846	65.5571	1.31555
IR Low Cloud Amount					
January	10.4232	26.9717	1.09047	26.2493	1.03543
February	10.8344	26.517	1.10168	25.852	1.21003
March	10.4858	27.331	1.27431	26.9909	1.32057
April	10.613	28.7926	1.4692	28.6434	1.43124
May	9.38881	28.4168	1.29765	28.4832	1.35309
June	8.5381	28.1996	1.08983	28.4644	1.10044
July	8.02485	28.503	1.16114	28.4837	1.18111
August	8.36048	28.4905	1.07187	28.3431	1.03837
September	10.111	28.5992	1.12019	28.8112	1.16175
October	11.342	29.1068	1.04768	29.1899	1.08453
November	11.3571	27.9353	0.909243	27.9571	0.959325
December	11.1837	27.0276	1.22357	26.943	1.18065
IR High Cloud Amount					
January	5.94231	11.6283	0.467857	11.845	0.438304
February	5.61906	12.2202	0.612966	12.3868	0.638635

March	5.2315	12.4339	0.725701	12.4181	0.75746
April	4.90284	12.5936	0.720776	12.5266	0.705315
May	4.45535	12.4736	0.690867	12.4705	0.703483
June	4.40697	12.3201	0.773536	12.2653	0.796116
July	4.0774	12.4845	0.557156	12.5043	0.566943
August	4.34741	12.2278	0.436999	12.2467	0.414524
September	4.89249	11.9017	0.658864	11.8418	0.625114
October	5.5465	11.6111	0.544239	11.6526	0.565106
November	5.65098	12.2007	0.744824	12.2456	0.745573
December	6.53799	12.6343	0.623429	12.76	0.636832
<b>Cloud Top Pressure (PC) hPA</b>					
January	55.0665	546.58	8.12544	542.727	10.7245
February	52.374	531.833	6.9178	529.363	10.6725
March	49.8247	529.504	8.14232	529.193	11.3531
April	48.9527	526.019	8.25445	526.698	11.2084
May	43.8072	523.874	8.37761	525.342	11.7167
June	43.8923	529.234	7.69888	532.846	9.76931
July	41.1739	541.336	7.14138	542.492	8.69331
August	47.4633	542.129	7.71088	542.736	9.40763
September	50.9127	535.631	8.07271	537.059	9.84652
October	60.3236	532.676	8.75118	532.75	12.5879
November	51.3332	536.828	8.007	537.141	11.2669
December	64.3235	539.851	7.63208	535.315	14.5496
<b>Cloud Top Temperature (TC) °K</b>					
January	8.70825	252.207	1.23256	253.247	1.42852
February	8.1707	250.937	1.13989	252.038	1.39755
March	5.67164	251.057	1.42792	251.68	1.61535
April	4.89701	251.585	1.3182	252.093	1.48806
May	4.96078	251.429	1.42571	251.937	1.60984
June	4.06151	252.385	1.349	252.767	1.44867
July	3.58553	253.923	1.21602	254.247	1.27019

August	4.17726	253.753	1.28177	254.1	1.40169
September	4.44583	252.528	1.38375	252.852	1.48324
October	6.94235	251.436	1.44977	251.607	1.83759
November	6.22221	251.888	1.20291	252.568	1.38905
December	9.35734	252.223	1.29035	252.182	2.54039
<b>Cloud Optical Depth (Tau)</b>					
January	2.11491	8.10249	0.354938	8.11292	0.612489
February	2.37458	8.32768	0.455478	8.3539	0.756033
March	2.00409	7.50034	0.533364	7.54867	0.727275
April	1.6574	6.5579	0.337128	6.58226	0.578276
May	1.24888	6.16144	0.394167	6.20102	0.582615
June	1.06397	5.78762	0.41217	5.8237	0.58092
July	1.0266	5.78403	0.240976	5.79553	0.466736
August	1.38421	6.12433	0.261454	6.11896	0.516189
September	1.73157	6.74311	0.451587	6.71056	0.682158
October	2.40678	7.49135	0.471712	7.35464	0.728682
November	2.02722	7.62823	0.405286	7.48761	0.672494
December	2.03797	7.74912	0.426192	7.63442	0.634
<b>Surface Temperature (TS) °K</b>					
January	1.57311	285.063	0.619775	284.885	0.624704
February	1.55868	285.125	0.804066	285.015	0.79546
March	1.57282	286.022	1.04798	285.931	1.05455
April	1.64951	287.408	0.79812	287.238	0.808077
May	1.78051	288.353	0.894191	288.21	0.940874
June	1.73547	288.91	0.733894	288.936	0.718778
July	1.77603	288.841	0.7852	288.748	0.775258
August	1.99081	288.736	0.974977	288.619	1.08871
September	2.37256	287.578	1.51929	287.43	1.65723
October	5.42847	286.158	1.65709	285.689	2.11243
November	1.60132	285.877	0.887454	285.838	0.898393
December	5.72638	284.806	1.36944	283.578	3.65154

Surface Reflectance (RS)					
January	0.0119151	0.145473	0.00396337	0.143627	0.0120273
February	0.0151462	0.157042	0.00634831	0.15454	0.015231
March	0.0154109	0.163811	0.00501261	0.161512	0.0155082
April	0.0123598	0.144039	0.00378223	0.142348	0.0116753
May	0.00865195	0.125779	0.00643404	0.124752	0.0103886
June	0.00645412	0.104371	0.00421665	0.103554	0.00806774
July	0.00632897	0.0992441	0.0022142	0.0983487	0.00724027
August	0.00892848	0.104748	0.00408569	0.10339	0.00933831
September	0.0131853	0.131333	0.0111856	0.129236	0.0158816
October	0.0179318	0.157422	0.00424784	0.154261	0.0145837
November	0.0129145	0.153404	0.00319955	0.150889	0.0120313
December	0.0155168	0.148359	0.00263303	0.14563	0.0113203
Liquid Cumulus Cloud Amount					
January	2.86019	9.51131	0.427884	9.20838	0.805547
February	2.96442	9.50274	0.389216	9.13117	0.807749
March	2.97711	10.2884	0.586139	10.0543	0.984111
April	3.17552	10.1869	0.477962	9.96419	0.919726
May	2.99787	9.95775	0.502453	9.76548	0.966696
June	2.84666	9.98902	0.427176	9.86064	0.95656
July	2.84305	10.7857	0.354866	10.6036	0.989244
August	3.10465	11.1926	0.434257	10.9304	0.976665
September	3.40201	11.1118	0.374886	10.9384	0.946771
October	3.53586	10.7277	0.522092	10.5296	1.03218
November	3.05331	9.72304	0.375807	9.51518	0.848715
December	3.08207	9.57156	0.427838	9.3631	0.750805
Liquid Stratus Cloud Amount					
January	4.12251	2.62778	0.204426	2.57897	0.283204
February	4.67591	2.69633	0.172968	2.67279	0.278253
March	4.32405	2.69723	0.253358	2.73256	0.327953
April	4.10435	2.38698	0.205813	2.48506	0.300829

May	3.76091	2.02143	0.244325	2.08059	0.290311
June	2.97823	1.83025	0.200987	1.93535	0.247136
July	2.74421	1.88713	0.206992	1.93329	0.241143
August	2.87395	2.00838	0.203827	2.01907	0.284142
September	3.45047	2.21211	0.248853	2.24103	0.335039
October	4.16967	2.65754	0.241296	2.69545	0.316868
November	4.22583	2.50276	0.216109	2.55507	0.300186
December	3.8919	2.26766	0.17818	2.27312	0.239237
<b>Cirrus Cloud Amount</b>					
January	0.774199	0.870077	0.0697805	0.874489	0.0933647
February	0.753246	0.919828	0.0887612	0.931435	0.10231
March	0.744809	0.916375	0.0700404	0.917714	0.0966053
April	0.766662	0.94594	0.0731455	0.961413	0.106918
May	0.754905	0.921035	0.067269	0.89721	0.0942915
June	0.760121	0.876468	0.0624665	0.850026	0.0899979
July	0.777776	0.913528	0.0511179	0.896459	0.083513
August	0.802889	0.91352	0.068074	0.892745	0.0877516
September	0.846329	0.81323	0.056326	0.802162	0.0777702
October	0.859822	0.817111	0.0621914	0.810893	0.0958914
November	0.806842	0.828596	0.0657819	0.794091	0.0907351
December	0.887714	0.928352	0.050785	0.856682	0.0780925
<b>Deep Convection Cloud Amount</b>					
January	0.66892	0.261918	0.0468775	0.249202	0.0496417
February	0.660668	0.273442	0.0454754	0.267285	0.0510026
March	0.656239	0.234091	0.0328491	0.219632	0.033299
April	0.576366	0.222652	0.0243199	0.215928	0.0285808
May	0.626579	0.259685	0.0476736	0.241079	0.0471084
June	0.665302	0.288041	0.034571	0.270025	0.040799
July	0.783253	0.346321	0.043138	0.326544	0.0438072
August	0.75638	0.324391	0.0596631	0.304744	0.0592528
September	0.725736	0.251344	0.0321217	0.241351	0.0336489

October	0.632257	0.217944	0.0353958	0.211597	0.0385594
November	0.565661	0.22679	0.0300052	0.221519	0.0329446
December	0.643289	0.238541	0.0223815	0.217372	0.0284366