

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
1	2- 11	2- 11	15.218, 43.533	15.214, 43.909	15.577, 43.913	15.581, 43.537
2	2- 11	12- 21	15.581, 43.537	15.577, 43.914	15.950, 43.919	15.954, 43.541
3	2- 11	22- 31	15.954, 43.541	15.950, 43.919	16.323, 43.924	16.327, 43.545
4	2- 11	32- 41	16.327, 43.546	16.323, 43.925	16.696, 43.930	16.700, 43.550
5	2- 11	42- 51	16.700, 43.550	16.696, 43.931	17.069, 43.935	17.074, 43.554
6	2- 11	52- 61	17.074, 43.555	17.069, 43.936	17.443, 43.941	17.448, 43.559
7	2- 11	62- 71	17.448, 43.559	17.443, 43.942	17.818, 43.947	17.822, 43.563
8	2- 11	72- 81	17.822, 43.564	17.818, 43.947	18.192, 43.952	18.197, 43.568
9	2- 11	82- 91	18.197, 43.568	18.192, 43.953	18.567, 43.958	18.571, 43.572
10	2- 11	92- 101	18.571, 43.573	18.567, 43.959	18.942, 43.964	18.946, 43.577
11	2- 11	102- 111	18.946, 43.577	18.942, 43.964	19.317, 43.969	19.322, 43.582
12	2- 11	112- 121	19.322, 43.582	19.317, 43.970	19.693, 43.975	19.697, 43.586
13	2- 11	122- 131	19.697, 43.587	19.693, 43.976	20.069, 43.981	20.073, 43.591
14	2- 11	132- 141	20.073, 43.591	20.069, 43.982	20.445, 43.987	20.449, 43.596
15	2- 11	142- 151	20.449, 43.596	20.445, 43.987	20.821, 43.993	20.826, 43.600
16	2- 11	152- 161	20.826, 43.601	20.821, 43.993	21.197, 43.999	21.202, 43.605
17	2- 11	162- 171	21.202, 43.605	21.197, 43.999	21.574, 44.005	21.578, 43.610
18	2- 11	172- 181	21.578, 43.610	21.574, 44.005	21.951, 44.011	21.955, 43.615
19	2- 11	182- 191	21.955, 43.615	21.951, 44.011	22.327, 44.017	22.332, 43.620
20	2- 11	192- 201	22.332, 43.620	22.327, 44.017	22.704, 44.023	22.709, 43.624
21	2- 11	202- 211	22.709, 43.625	22.704, 44.023	23.081, 44.029	23.086, 43.629
22	2- 11	212- 221	23.086, 43.630	23.081, 44.029	23.458, 44.035	23.463, 43.634
23	2- 11	222- 231	23.463, 43.635	23.458, 44.036	23.836, 44.041	23.840, 43.639
24	2- 11	232- 241	23.840, 43.640	23.836, 44.042	24.213, 44.047	24.217, 43.644
25	2- 11	242- 251	24.217, 43.645	24.213, 44.048	24.590, 44.054	24.595, 43.649
26	2- 11	252- 261	24.595, 43.650	24.590, 44.054	24.967, 44.060	24.972, 43.654
27	2- 11	262- 271	24.972, 43.655	24.967, 44.061	25.344, 44.066	25.349, 43.659
28	2- 11	272- 281	25.349, 43.660	25.344, 44.067	25.722, 44.073	25.726, 43.664
29	2- 11	282- 291	25.726, 43.665	25.722, 44.073	26.099, 44.079	26.104, 43.670
30	2- 11	292- 301	26.104, 43.670	26.099, 44.080	26.476, 44.085	26.481, 43.675
31	2- 11	302- 309	26.481, 43.675	26.476, 44.086	26.759, 44.091	26.764, 43.679
32	12- 21	2- 11	15.214, 43.909	15.208, 44.294	15.571, 44.300	15.577, 43.913
33	12- 21	12- 21	15.577, 43.914	15.571, 44.301	15.944, 44.307	15.949, 43.919
34	12- 21	22- 31	15.949, 43.919	15.944, 44.307	16.317, 44.313	16.322, 43.924
35	12- 21	32- 41	16.322, 43.925	16.317, 44.314	16.690, 44.320	16.695, 43.930
36	12- 21	42- 51	16.695, 43.931	16.690, 44.320	17.064, 44.326	17.069, 43.935
37	12- 21	52- 61	17.069, 43.936	17.064, 44.327	17.438, 44.333	17.443, 43.941
38	12- 21	62- 71	17.443, 43.942	17.438, 44.334	17.812, 44.340	17.817, 43.947
39	12- 21	72- 81	17.817, 43.947	17.812, 44.341	18.186, 44.347	18.192, 43.952
40	12- 21	82- 91	18.192, 43.953	18.186, 44.347	18.561, 44.353	18.566, 43.958
41	12- 21	92- 101	18.566, 43.959	18.561, 44.354	18.936, 44.360	18.942, 43.964
42	12- 21	102- 111	18.942, 43.964	18.936, 44.361	19.312, 44.367	19.317, 43.969
43	12- 21	112- 121	19.317, 43.970	19.312, 44.368	19.687, 44.374	19.693, 43.975
44	12- 21	122- 131	19.693, 43.976	19.687, 44.375	20.063, 44.381	20.068, 43.981
45	12- 21	132- 141	20.068, 43.982	20.063, 44.382	20.439, 44.388	20.444, 43.987
46	12- 21	142- 151	20.444, 43.987	20.439, 44.389	20.815, 44.395	20.820, 43.993
47	12- 21	152- 161	20.820, 43.993	20.815, 44.396	21.191, 44.402	21.197, 43.999
48	12- 21	162- 171	21.197, 43.999	21.191, 44.403	21.568, 44.410	21.573, 44.005
49	12- 21	172- 181	21.573, 44.005	21.568, 44.410	21.945, 44.417	21.950, 44.011
50	12- 21	182- 191	21.950, 44.011	21.945, 44.417	22.321, 44.424	22.327, 44.017
51	12- 21	192- 201	22.327, 44.017	22.321, 44.425	22.698, 44.431	22.704, 44.023

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
52	12- 21	202- 211	22.704, 44.023	22.698, 44.432	23.075, 44.439	23.081, 44.029
53	12- 21	212- 221	23.081, 44.029	23.075, 44.439	23.452, 44.446	23.458, 44.035
54	12- 21	222- 231	23.458, 44.036	23.452, 44.447	23.829, 44.453	23.835, 44.041
55	12- 21	232- 241	23.835, 44.042	23.829, 44.454	24.207, 44.461	24.212, 44.047
56	12- 21	242- 251	24.212, 44.048	24.207, 44.462	24.584, 44.468	24.589, 44.054
57	12- 21	252- 261	24.589, 44.054	24.584, 44.469	24.961, 44.476	24.967, 44.060
58	12- 21	262- 271	24.967, 44.061	24.961, 44.477	25.338, 44.483	25.344, 44.066
59	12- 21	272- 281	25.344, 44.067	25.338, 44.484	25.715, 44.491	25.721, 44.073
60	12- 21	282- 291	25.721, 44.073	25.715, 44.492	26.093, 44.499	26.098, 44.079
61	12- 21	292- 301	26.098, 44.080	26.093, 44.500	26.470, 44.507	26.475, 44.085
62	12- 21	302- 309	26.475, 44.086	26.470, 44.507	26.753, 44.513	26.758, 44.091
63	22- 31	2- 11	15.208, 44.294	15.202, 44.680	15.565, 44.686	15.571, 44.300
64	22- 31	12- 21	15.571, 44.301	15.565, 44.687	15.937, 44.694	15.943, 44.307
65	22- 31	22- 31	15.943, 44.307	15.937, 44.695	16.310, 44.702	16.316, 44.313
66	22- 31	32- 41	16.316, 44.314	16.310, 44.703	16.683, 44.709	16.689, 44.320
67	22- 31	42- 51	16.689, 44.320	16.683, 44.710	17.057, 44.717	17.063, 44.326
68	22- 31	52- 61	17.063, 44.327	17.057, 44.718	17.431, 44.725	17.437, 44.333
69	22- 31	62- 71	17.437, 44.334	17.431, 44.726	17.805, 44.733	17.811, 44.340
70	22- 31	72- 81	17.811, 44.341	17.805, 44.734	18.179, 44.741	18.186, 44.347
71	22- 31	82- 91	18.186, 44.347	18.179, 44.742	18.554, 44.749	18.560, 44.353
72	22- 31	92- 101	18.560, 44.354	18.554, 44.750	18.929, 44.757	18.936, 44.360
73	22- 31	102- 111	18.936, 44.361	18.929, 44.758	19.305, 44.765	19.311, 44.367
74	22- 31	112- 121	19.311, 44.368	19.305, 44.766	19.680, 44.773	19.686, 44.374
75	22- 31	122- 131	19.686, 44.375	19.680, 44.774	20.056, 44.781	20.062, 44.381
76	22- 31	132- 141	20.062, 44.382	20.056, 44.782	20.432, 44.789	20.438, 44.388
77	22- 31	142- 151	20.438, 44.389	20.432, 44.790	20.808, 44.798	20.814, 44.395
78	22- 31	152- 161	20.814, 44.396	20.808, 44.799	21.184, 44.806	21.191, 44.402
79	22- 31	162- 171	21.191, 44.403	21.184, 44.807	21.561, 44.814	21.567, 44.410
80	22- 31	172- 181	21.567, 44.410	21.561, 44.815	21.937, 44.823	21.944, 44.417
81	22- 31	182- 191	21.944, 44.417	21.937, 44.824	22.314, 44.831	22.321, 44.424
82	22- 31	192- 201	22.321, 44.425	22.314, 44.832	22.691, 44.840	22.698, 44.431
83	22- 31	202- 211	22.698, 44.432	22.691, 44.841	23.068, 44.848	23.075, 44.439
84	22- 31	212- 221	23.075, 44.439	23.068, 44.849	23.445, 44.857	23.452, 44.446
85	22- 31	222- 231	23.452, 44.447	23.445, 44.858	23.822, 44.866	23.829, 44.453
86	22- 31	232- 241	23.829, 44.454	23.822, 44.866	24.199, 44.874	24.206, 44.461
87	22- 31	242- 251	24.206, 44.462	24.199, 44.875	24.576, 44.883	24.583, 44.468
88	22- 31	252- 261	24.583, 44.469	24.576, 44.884	24.954, 44.892	24.960, 44.476
89	22- 31	262- 271	24.960, 44.477	24.954, 44.893	25.331, 44.901	25.338, 44.483
90	22- 31	272- 281	25.338, 44.484	25.331, 44.902	25.708, 44.910	25.715, 44.491
91	22- 31	282- 291	25.715, 44.492	25.708, 44.911	26.085, 44.919	26.092, 44.499
92	22- 31	292- 301	26.092, 44.500	26.085, 44.920	26.462, 44.928	26.469, 44.507
93	22- 31	302- 309	26.469, 44.507	26.462, 44.929	26.745, 44.935	26.752, 44.513
94	32- 41	2- 11	15.201, 44.680	15.194, 45.065	15.557, 45.073	15.564, 44.686
95	32- 41	12- 21	15.564, 44.687	15.557, 45.074	15.929, 45.082	15.936, 44.694
96	32- 41	22- 31	15.936, 44.695	15.929, 45.082	16.302, 45.090	16.309, 44.702
97	32- 41	32- 41	16.309, 44.703	16.302, 45.091	16.675, 45.099	16.682, 44.709
98	32- 41	42- 51	16.682, 44.710	16.675, 45.100	17.049, 45.108	17.056, 44.717
99	32- 41	52- 61	17.056, 44.718	17.049, 45.109	17.423, 45.117	17.430, 44.725
100	32- 41	62- 71	17.430, 44.726	17.423, 45.118	17.797, 45.126	17.804, 44.733
101	32- 41	72- 81	17.804, 44.734	17.797, 45.127	18.171, 45.135	18.179, 44.741
102	32- 41	82- 91	18.179, 44.742	18.171, 45.136	18.546, 45.144	18.553, 44.749

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
103	32- 41	92- 101	18.553, 44.750	18.546, 45.145	18.921, 45.153	18.928, 44.757
104	32- 41	102- 111	18.928, 44.758	18.921, 45.154	19.296, 45.163	19.304, 44.765
105	32- 41	112- 121	19.304, 44.766	19.296, 45.164	19.672, 45.172	19.679, 44.773
106	32- 41	122- 131	19.679, 44.774	19.672, 45.173	20.048, 45.181	20.055, 44.781
107	32- 41	132- 141	20.055, 44.782	20.048, 45.182	20.424, 45.191	20.431, 44.789
108	32- 41	142- 151	20.431, 44.790	20.424, 45.192	20.800, 45.200	20.807, 44.798
109	32- 41	152- 161	20.807, 44.799	20.800, 45.201	21.176, 45.210	21.183, 44.806
110	32- 41	162- 171	21.183, 44.807	21.176, 45.211	21.552, 45.219	21.560, 44.814
111	32- 41	172- 181	21.560, 44.815	21.552, 45.220	21.929, 45.229	21.937, 44.823
112	32- 41	182- 191	21.937, 44.824	21.929, 45.230	22.306, 45.238	22.313, 44.831
113	32- 41	192- 201	22.313, 44.832	22.306, 45.239	22.683, 45.248	22.690, 44.840
114	32- 41	202- 211	22.690, 44.841	22.683, 45.249	23.060, 45.258	23.067, 44.848
115	32- 41	212- 221	23.067, 44.849	23.060, 45.259	23.437, 45.268	23.444, 44.857
116	32- 41	222- 231	23.444, 44.858	23.437, 45.269	23.814, 45.278	23.821, 44.866
117	32- 41	232- 241	23.821, 44.866	23.814, 45.279	24.191, 45.288	24.198, 44.874
118	32- 41	242- 251	24.198, 44.875	24.191, 45.289	24.568, 45.298	24.576, 44.883
119	32- 41	252- 261	24.576, 44.884	24.568, 45.299	24.945, 45.308	24.953, 44.892
120	32- 41	262- 271	24.953, 44.893	24.945, 45.309	25.322, 45.318	25.330, 44.901
121	32- 41	272- 281	25.330, 44.902	25.322, 45.319	25.699, 45.328	25.707, 44.910
122	32- 41	282- 291	25.707, 44.911	25.699, 45.329	26.077, 45.339	26.084, 44.919
123	32- 41	292- 301	26.084, 44.920	26.077, 45.340	26.454, 45.349	26.461, 44.928
124	32- 41	302- 309	26.461, 44.929	26.454, 45.350	26.737, 45.357	26.744, 44.935
125	42- 51	2- 11	15.193, 45.065	15.185, 45.450	15.548, 45.459	15.556, 45.073
126	42- 51	12- 21	15.556, 45.074	15.548, 45.460	15.920, 45.469	15.928, 45.082
127	42- 51	22- 31	15.928, 45.082	15.920, 45.470	16.293, 45.479	16.301, 45.090
128	42- 51	32- 41	16.301, 45.091	16.293, 45.480	16.666, 45.489	16.674, 45.099
129	42- 51	42- 51	16.674, 45.100	16.666, 45.490	17.040, 45.499	17.048, 45.108
130	42- 51	52- 61	17.048, 45.109	17.040, 45.500	17.414, 45.509	17.422, 45.117
131	42- 51	62- 71	17.422, 45.118	17.414, 45.510	17.788, 45.519	17.796, 45.126
132	42- 51	72- 81	17.796, 45.127	17.788, 45.520	18.162, 45.529	18.170, 45.135
133	42- 51	82- 91	18.170, 45.136	18.162, 45.530	18.537, 45.540	18.545, 45.144
134	42- 51	92- 101	18.545, 45.145	18.537, 45.541	18.912, 45.550	18.920, 45.153
135	42- 51	102- 111	18.920, 45.154	18.912, 45.551	19.287, 45.560	19.295, 45.163
136	42- 51	112- 121	19.295, 45.164	19.287, 45.561	19.663, 45.571	19.671, 45.172
137	42- 51	122- 131	19.671, 45.173	19.663, 45.572	20.038, 45.581	20.047, 45.181
138	42- 51	132- 141	20.047, 45.182	20.038, 45.582	20.414, 45.592	20.423, 45.191
139	42- 51	142- 151	20.423, 45.192	20.414, 45.593	20.790, 45.603	20.799, 45.200
140	42- 51	152- 161	20.799, 45.201	20.790, 45.604	21.167, 45.613	21.175, 45.210
141	42- 51	162- 171	21.175, 45.211	21.167, 45.614	21.543, 45.624	21.552, 45.219
142	42- 51	172- 181	21.552, 45.220	21.543, 45.625	21.920, 45.635	21.928, 45.229
143	42- 51	182- 191	21.928, 45.230	21.920, 45.636	22.296, 45.646	22.305, 45.238
144	42- 51	192- 201	22.305, 45.239	22.296, 45.647	22.673, 45.657	22.682, 45.248
145	42- 51	202- 211	22.682, 45.249	22.673, 45.658	23.050, 45.668	23.059, 45.258
146	42- 51	212- 221	23.059, 45.259	23.050, 45.669	23.427, 45.679	23.436, 45.268
147	42- 51	222- 231	23.436, 45.269	23.427, 45.680	23.804, 45.690	23.813, 45.278
148	42- 51	232- 241	23.813, 45.279	23.804, 45.691	24.181, 45.701	24.190, 45.288
149	42- 51	242- 251	24.190, 45.289	24.181, 45.702	24.558, 45.712	24.567, 45.298
150	42- 51	252- 261	24.567, 45.299	24.558, 45.714	24.935, 45.724	24.944, 45.308
151	42- 51	262- 271	24.944, 45.309	24.935, 45.725	25.313, 45.735	25.321, 45.318
152	42- 51	272- 281	25.321, 45.319	25.313, 45.736	25.690, 45.747	25.698, 45.328
153	42- 51	282- 291	25.698, 45.329	25.690, 45.748	26.067, 45.758	26.076, 45.339

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
154	42- 51	292- 301	26.076, 45.340	26.067, 45.759	26.444, 45.770	26.453, 45.349
155	42- 51	302- 309	26.453, 45.350	26.444, 45.771	26.727, 45.779	26.736, 45.357
156	52- 61	2- 11	15.184, 45.450	15.175, 45.836	15.538, 45.845	15.547, 45.459
157	52- 61	12- 21	15.547, 45.460	15.538, 45.847	15.910, 45.856	15.919, 45.469
158	52- 61	22- 31	15.919, 45.470	15.910, 45.857	16.283, 45.867	16.292, 45.479
159	52- 61	32- 41	16.292, 45.480	16.283, 45.869	16.656, 45.879	16.665, 45.489
160	52- 61	42- 51	16.665, 45.490	16.656, 45.880	17.030, 45.890	17.039, 45.499
161	52- 61	52- 61	17.039, 45.500	17.030, 45.891	17.403, 45.901	17.413, 45.509
162	52- 61	62- 71	17.413, 45.510	17.403, 45.902	17.778, 45.912	17.787, 45.519
163	52- 61	72- 81	17.787, 45.520	17.778, 45.913	18.152, 45.924	18.161, 45.529
164	52- 61	82- 91	18.161, 45.530	18.152, 45.925	18.527, 45.935	18.536, 45.540
165	52- 61	92- 101	18.536, 45.541	18.527, 45.936	18.902, 45.946	18.911, 45.550
166	52- 61	102- 111	18.911, 45.551	18.902, 45.948	19.277, 45.958	19.286, 45.560
167	52- 61	112- 121	19.286, 45.561	19.277, 45.959	19.652, 45.970	19.662, 45.571
168	52- 61	122- 131	19.662, 45.572	19.652, 45.971	20.028, 45.981	20.037, 45.581
169	52- 61	132- 141	20.037, 45.582	20.028, 45.982	20.404, 45.993	20.413, 45.592
170	52- 61	142- 151	20.413, 45.593	20.404, 45.994	20.780, 46.005	20.789, 45.603
171	52- 61	152- 161	20.789, 45.604	20.780, 46.006	21.156, 46.017	21.166, 45.613
172	52- 61	162- 171	21.166, 45.614	21.156, 46.018	21.532, 46.029	21.542, 45.624
173	52- 61	172- 181	21.542, 45.625	21.532, 46.030	21.909, 46.041	21.919, 45.635
174	52- 61	182- 191	21.919, 45.636	21.909, 46.042	22.286, 46.053	22.295, 45.646
175	52- 61	192- 201	22.295, 45.647	22.286, 46.054	22.662, 46.065	22.672, 45.657
176	52- 61	202- 211	22.672, 45.658	22.662, 46.066	23.039, 46.077	23.049, 45.668
177	52- 61	212- 221	23.049, 45.669	23.039, 46.078	23.416, 46.090	23.426, 45.679
178	52- 61	222- 231	23.426, 45.680	23.416, 46.091	23.793, 46.102	23.803, 45.690
179	52- 61	232- 241	23.803, 45.691	23.793, 46.103	24.170, 46.114	24.180, 45.701
180	52- 61	242- 251	24.180, 45.702	24.170, 46.116	24.547, 46.127	24.557, 45.712
181	52- 61	252- 261	24.557, 45.714	24.547, 46.128	24.925, 46.139	24.934, 45.724
182	52- 61	262- 271	24.934, 45.725	24.925, 46.141	25.302, 46.152	25.312, 45.735
183	52- 61	272- 281	25.312, 45.736	25.302, 46.154	25.679, 46.165	25.689, 45.747
184	52- 61	282- 291	25.689, 45.748	25.679, 46.166	26.056, 46.178	26.066, 45.758
185	52- 61	292- 301	26.066, 45.759	26.056, 46.179	26.433, 46.191	26.443, 45.770
186	52- 61	302- 309	26.443, 45.771	26.433, 46.192	26.716, 46.201	26.726, 45.779
187	62- 71	2- 11	15.174, 45.836	15.164, 46.221	15.527, 46.232	15.537, 45.845
188	62- 71	12- 21	15.537, 45.847	15.527, 46.233	15.899, 46.244	15.909, 45.856
189	62- 71	22- 31	15.909, 45.857	15.899, 46.245	16.272, 46.256	16.282, 45.867
190	62- 71	32- 41	16.282, 45.869	16.272, 46.257	16.645, 46.268	16.655, 45.879
191	62- 71	42- 51	16.655, 45.880	16.645, 46.269	17.019, 46.280	17.029, 45.890
192	62- 71	52- 61	17.029, 45.891	17.019, 46.282	17.392, 46.293	17.402, 45.901
193	62- 71	62- 71	17.402, 45.902	17.392, 46.294	17.766, 46.305	17.777, 45.912
194	62- 71	72- 81	17.777, 45.913	17.766, 46.306	18.141, 46.318	18.151, 45.924
195	62- 71	82- 91	18.151, 45.925	18.141, 46.319	18.515, 46.330	18.526, 45.935
196	62- 71	92- 101	18.526, 45.936	18.515, 46.331	18.890, 46.343	18.901, 45.946
197	62- 71	102- 111	18.901, 45.948	18.890, 46.344	19.265, 46.355	19.276, 45.958
198	62- 71	112- 121	19.276, 45.959	19.265, 46.357	19.641, 46.368	19.651, 45.970
199	62- 71	122- 131	19.651, 45.971	19.641, 46.369	20.016, 46.381	20.027, 45.981
200	62- 71	132- 141	20.027, 45.982	20.016, 46.382	20.392, 46.394	20.403, 45.993
201	62- 71	142- 151	20.403, 45.994	20.392, 46.395	20.768, 46.407	20.779, 46.005
202	62- 71	152- 161	20.779, 46.006	20.768, 46.408	21.144, 46.420	21.155, 46.017
203	62- 71	162- 171	21.155, 46.018	21.144, 46.421	21.521, 46.433	21.531, 46.029
204	62- 71	172- 181	21.531, 46.030	21.521, 46.435	21.897, 46.447	21.908, 46.041

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
205	62- 71	182- 191	21.908, 46.042	21.897, 46.448	22.274, 46.460	22.285, 46.053
206	62- 71	192- 201	22.285, 46.054	22.274, 46.461	22.651, 46.473	22.661, 46.065
207	62- 71	202- 211	22.661, 46.066	22.651, 46.475	23.027, 46.487	23.038, 46.077
208	62- 71	212- 221	23.038, 46.078	23.027, 46.488	23.404, 46.500	23.415, 46.090
209	62- 71	222- 231	23.415, 46.091	23.404, 46.502	23.781, 46.514	23.792, 46.102
210	62- 71	232- 241	23.792, 46.103	23.781, 46.515	24.158, 46.528	24.169, 46.114
211	62- 71	242- 251	24.169, 46.116	24.158, 46.529	24.535, 46.541	24.546, 46.127
212	62- 71	252- 261	24.546, 46.128	24.535, 46.543	24.913, 46.555	24.923, 46.139
213	62- 71	262- 271	24.923, 46.141	24.913, 46.557	25.290, 46.569	25.301, 46.152
214	62- 71	272- 281	25.301, 46.154	25.290, 46.571	25.667, 46.583	25.678, 46.165
215	62- 71	282- 291	25.678, 46.166	25.667, 46.585	26.044, 46.597	26.055, 46.178
216	62- 71	292- 301	26.055, 46.179	26.044, 46.599	26.421, 46.612	26.432, 46.191
217	62- 71	302- 309	26.432, 46.192	26.421, 46.613	26.704, 46.623	26.715, 46.201
218	72- 81	2- 11	15.163, 46.221	15.152, 46.606	15.515, 46.618	15.526, 46.232
219	72- 81	12- 21	15.526, 46.233	15.515, 46.619	15.887, 46.631	15.898, 46.244
220	72- 81	22- 31	15.898, 46.245	15.887, 46.632	16.260, 46.644	16.271, 46.256
221	72- 81	32- 41	16.271, 46.257	16.260, 46.646	16.633, 46.658	16.644, 46.268
222	72- 81	42- 51	16.644, 46.269	16.633, 46.659	17.006, 46.671	17.017, 46.280
223	72- 81	52- 61	17.017, 46.282	17.006, 46.672	17.380, 46.684	17.391, 46.293
224	72- 81	62- 71	17.391, 46.294	17.380, 46.686	17.754, 46.698	17.765, 46.305
225	72- 81	72- 81	17.765, 46.306	17.754, 46.699	18.128, 46.712	18.139, 46.318
226	72- 81	82- 91	18.139, 46.319	18.128, 46.713	18.503, 46.725	18.514, 46.330
227	72- 81	92- 101	18.514, 46.331	18.503, 46.727	18.878, 46.739	18.889, 46.343
228	72- 81	102- 111	18.889, 46.344	18.878, 46.740	19.253, 46.753	19.264, 46.355
229	72- 81	112- 121	19.264, 46.357	19.253, 46.754	19.628, 46.767	19.640, 46.368
230	72- 81	122- 131	19.640, 46.369	19.628, 46.768	20.004, 46.781	20.015, 46.381
231	72- 81	132- 141	20.015, 46.382	20.004, 46.782	20.380, 46.795	20.391, 46.394
232	72- 81	142- 151	20.391, 46.395	20.380, 46.796	20.756, 46.809	20.767, 46.407
233	72- 81	152- 161	20.767, 46.408	20.756, 46.811	21.132, 46.823	21.143, 46.420
234	72- 81	162- 171	21.143, 46.421	21.132, 46.825	21.508, 46.838	21.520, 46.433
235	72- 81	172- 181	21.520, 46.435	21.508, 46.839	21.884, 46.852	21.896, 46.447
236	72- 81	182- 191	21.896, 46.448	21.884, 46.854	22.261, 46.867	22.273, 46.460
237	72- 81	192- 201	22.273, 46.461	22.261, 46.868	22.638, 46.881	22.649, 46.473
238	72- 81	202- 211	22.649, 46.475	22.638, 46.883	23.015, 46.896	23.026, 46.487
239	72- 81	212- 221	23.026, 46.488	23.015, 46.898	23.391, 46.911	23.403, 46.500
240	72- 81	222- 231	23.403, 46.502	23.391, 46.912	23.768, 46.926	23.780, 46.514
241	72- 81	232- 241	23.780, 46.515	23.768, 46.927	24.145, 46.941	24.157, 46.528
242	72- 81	242- 251	24.157, 46.529	24.145, 46.942	24.522, 46.956	24.534, 46.541
243	72- 81	252- 261	24.534, 46.543	24.522, 46.957	24.899, 46.971	24.911, 46.555
244	72- 81	262- 271	24.911, 46.557	24.899, 46.972	25.276, 46.986	25.288, 46.569
245	72- 81	272- 281	25.288, 46.571	25.276, 46.988	25.653, 47.001	25.665, 46.583
246	72- 81	282- 291	25.665, 46.585	25.653, 47.003	26.030, 47.017	26.042, 46.597
247	72- 81	292- 301	26.042, 46.599	26.030, 47.019	26.407, 47.032	26.419, 46.612
248	72- 81	302- 309	26.419, 46.613	26.407, 47.034	26.784, 47.048	26.796, 46.627
249	82- 91	2- 11	15.151, 46.606	15.139, 46.991	15.502, 47.004	15.514, 46.618
250	82- 91	12- 21	15.514, 46.619	15.502, 47.005	15.874, 47.018	15.886, 46.631
251	82- 91	22- 31	15.886, 46.632	15.874, 47.020	16.247, 47.033	16.259, 46.644
252	82- 91	32- 41	16.259, 46.646	16.247, 47.034	16.620, 47.047	16.632, 46.658
253	82- 91	42- 51	16.632, 46.659	16.620, 47.048	16.993, 47.061	17.005, 46.671
254	82- 91	52- 61	17.005, 46.672	16.993, 47.063	17.367, 47.076	17.379, 46.684
255	82- 91	62- 71	17.379, 46.686	17.367, 47.077	17.740, 47.091	17.753, 46.698

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
256	82- 91	72- 81	17.753, 46.699	17.740, 47.092	18.115, 47.105	18.127, 46.712
257	82- 91	82- 91	18.127, 46.713	18.115, 47.107	18.489, 47.120	18.502, 46.725
258	82- 91	92- 101	18.502, 46.727	18.489, 47.122	18.864, 47.135	18.876, 46.739
259	82- 91	102- 111	18.876, 46.740	18.864, 47.137	19.239, 47.150	19.252, 46.753
260	82- 91	112- 121	19.252, 46.754	19.239, 47.152	19.615, 47.165	19.627, 46.767
261	82- 91	122- 131	19.627, 46.768	19.615, 47.167	19.990, 47.181	20.002, 46.781
262	82- 91	132- 141	20.002, 46.782	19.990, 47.182	20.366, 47.196	20.378, 46.795
263	82- 91	142- 151	20.378, 46.796	20.366, 47.197	20.742, 47.211	20.754, 46.809
264	82- 91	152- 161	20.754, 46.811	20.742, 47.213	21.118, 47.227	21.130, 46.823
265	82- 91	162- 171	21.130, 46.825	21.118, 47.228	21.494, 47.242	21.507, 46.838
266	82- 91	172- 181	21.507, 46.839	21.494, 47.244	21.870, 47.258	21.883, 46.852
267	82- 91	182- 191	21.883, 46.854	21.870, 47.259	22.247, 47.274	22.260, 46.867
268	82- 91	192- 201	22.260, 46.868	22.247, 47.275	22.624, 47.289	22.636, 46.881
269	82- 91	202- 211	22.636, 46.883	22.624, 47.291	23.000, 47.305	23.013, 46.896
270	82- 91	212- 221	23.013, 46.898	23.000, 47.307	23.377, 47.321	23.390, 46.911
271	82- 91	222- 231	23.390, 46.912	23.377, 47.323	23.754, 47.338	23.767, 46.926
272	82- 91	232- 241	23.767, 46.927	23.754, 47.339	24.131, 47.354	24.144, 46.941
273	82- 91	242- 251	24.144, 46.942	24.131, 47.355	24.508, 47.370	24.521, 46.956
274	82- 91	252- 261	24.521, 46.957	24.508, 47.372	24.885, 47.386	24.898, 46.971
275	82- 91	262- 271	24.898, 46.972	24.885, 47.388	25.262, 47.403	25.275, 46.986
276	82- 91	272- 281	25.275, 46.988	25.262, 47.405	25.639, 47.420	25.652, 47.001
277	82- 91	282- 291	25.652, 47.003	25.639, 47.421	26.016, 47.436	26.029, 47.017
278	82- 91	292- 301	26.029, 47.019	26.016, 47.438	26.393, 47.453	26.406, 47.032
279	82- 91	302- 309	26.406, 47.034	26.393, 47.455	26.676, 47.467	26.689, 47.045
280	92- 101	2- 11	15.138, 46.991	15.125, 47.376	15.487, 47.390	15.500, 47.004
281	92- 101	12- 21	15.500, 47.005	15.487, 47.392	15.860, 47.405	15.873, 47.018
282	92- 101	22- 31	15.873, 47.020	15.860, 47.407	16.232, 47.421	16.245, 47.033
283	92- 101	32- 41	16.245, 47.034	16.232, 47.422	16.605, 47.436	16.618, 47.047
284	92- 101	42- 51	16.618, 47.048	16.605, 47.438	16.979, 47.452	16.992, 47.061
285	92- 101	52- 61	16.992, 47.063	16.979, 47.453	17.352, 47.468	17.365, 47.076
286	92- 101	62- 71	17.365, 47.077	17.352, 47.469	17.726, 47.483	17.739, 47.091
287	92- 101	72- 81	17.739, 47.092	17.726, 47.485	18.100, 47.499	18.113, 47.105
288	92- 101	82- 91	18.113, 47.107	18.100, 47.501	18.475, 47.515	18.488, 47.120
289	92- 101	92- 101	18.488, 47.122	18.475, 47.517	18.849, 47.531	18.863, 47.135
290	92- 101	102- 111	18.863, 47.137	18.849, 47.533	19.225, 47.548	19.238, 47.150
291	92- 101	112- 121	19.238, 47.152	19.225, 47.549	19.600, 47.564	19.613, 47.165
292	92- 101	122- 131	19.613, 47.167	19.600, 47.565	19.975, 47.580	19.989, 47.181
293	92- 101	132- 141	19.989, 47.182	19.975, 47.582	20.351, 47.597	20.364, 47.196
294	92- 101	142- 151	20.364, 47.197	20.351, 47.598	20.727, 47.613	20.740, 47.211
295	92- 101	152- 161	20.740, 47.213	20.727, 47.615	21.103, 47.630	21.116, 47.227
296	92- 101	162- 171	21.116, 47.228	21.103, 47.631	21.479, 47.647	21.493, 47.242
297	92- 101	172- 181	21.493, 47.244	21.479, 47.648	21.855, 47.663	21.869, 47.258
298	92- 101	182- 191	21.869, 47.259	21.855, 47.665	22.232, 47.680	22.246, 47.274
299	92- 101	192- 201	22.246, 47.275	22.232, 47.682	22.609, 47.697	22.622, 47.289
300	92- 101	202- 211	22.622, 47.291	22.609, 47.699	22.985, 47.715	22.999, 47.305
301	92- 101	212- 221	22.999, 47.307	22.985, 47.716	23.362, 47.732	23.376, 47.321
302	92- 101	222- 231	23.376, 47.323	23.362, 47.734	23.739, 47.749	23.753, 47.338
303	92- 101	232- 241	23.753, 47.339	23.739, 47.751	24.116, 47.767	24.130, 47.354
304	92- 101	242- 251	24.130, 47.355	24.116, 47.768	24.493, 47.784	24.507, 47.370
305	92- 101	252- 261	24.507, 47.372	24.493, 47.786	24.870, 47.802	24.884, 47.386
306	92- 101	262- 271	24.884, 47.388	24.870, 47.804	25.247, 47.820	25.261, 47.403

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
307	92- 101	272- 281	25.261, 47.405	25.247, 47.822	25.623, 47.838	25.638, 47.420
308	92- 101	282- 291	25.638, 47.421	25.623, 47.839	26.000, 47.856	26.014, 47.436
309	92- 101	292- 301	26.014, 47.438	26.000, 47.857	26.377, 47.874	26.391, 47.453
310	92- 101	302- 309	26.391, 47.455	26.377, 47.876	26.660, 47.888	26.674, 47.467
311	102- 111	2- 11	15.124, 47.376	15.110, 47.761	15.472, 47.776	15.486, 47.390
312	102- 111	12- 21	15.486, 47.392	15.472, 47.778	15.844, 47.792	15.858, 47.405
313	102- 111	22- 31	15.858, 47.407	15.844, 47.794	16.217, 47.809	16.231, 47.421
314	102- 111	32- 41	16.231, 47.422	16.217, 47.811	16.590, 47.826	16.604, 47.436
315	102- 111	42- 51	16.604, 47.438	16.590, 47.827	16.963, 47.842	16.977, 47.452
316	102- 111	52- 61	16.977, 47.453	16.963, 47.844	17.337, 47.859	17.351, 47.468
317	102- 111	62- 71	17.351, 47.469	17.337, 47.861	17.710, 47.876	17.724, 47.483
318	102- 111	72- 81	17.724, 47.485	17.710, 47.878	18.085, 47.893	18.099, 47.499
319	102- 111	82- 91	18.099, 47.501	18.085, 47.895	18.459, 47.910	18.473, 47.515
320	102- 111	92- 101	18.473, 47.517	18.459, 47.912	18.834, 47.927	18.848, 47.531
321	102- 111	102- 111	18.848, 47.533	18.834, 47.929	19.209, 47.945	19.223, 47.548
322	102- 111	112- 121	19.223, 47.549	19.209, 47.946	19.584, 47.962	19.598, 47.564
323	102- 111	122- 131	19.598, 47.565	19.584, 47.964	19.959, 47.980	19.974, 47.580
324	102- 111	132- 141	19.974, 47.582	19.959, 47.981	20.335, 47.997	20.349, 47.597
325	102- 111	142- 151	20.349, 47.598	20.335, 47.999	20.711, 48.015	20.725, 47.613
326	102- 111	152- 161	20.725, 47.615	20.711, 48.017	21.087, 48.033	21.101, 47.630
327	102- 111	162- 171	21.101, 47.631	21.087, 48.035	21.463, 48.051	21.478, 47.647
328	102- 111	172- 181	21.478, 47.648	21.463, 48.053	21.839, 48.069	21.854, 47.663
329	102- 111	182- 191	21.854, 47.665	21.839, 48.071	22.216, 48.087	22.230, 47.680
330	102- 111	192- 201	22.230, 47.682	22.216, 48.089	22.592, 48.105	22.607, 47.697
331	102- 111	202- 211	22.607, 47.699	22.592, 48.107	22.969, 48.124	22.984, 47.715
332	102- 111	212- 221	22.984, 47.716	22.969, 48.126	23.346, 48.142	23.360, 47.732
333	102- 111	222- 231	23.360, 47.734	23.346, 48.144	23.722, 48.161	23.737, 47.749
334	102- 111	232- 241	23.737, 47.751	23.722, 48.163	24.099, 48.180	24.114, 47.767
335	102- 111	242- 251	24.114, 47.768	24.099, 48.181	24.476, 48.198	24.491, 47.784
336	102- 111	252- 261	24.491, 47.786	24.476, 48.200	24.853, 48.217	24.868, 47.802
337	102- 111	262- 271	24.868, 47.804	24.853, 48.219	25.230, 48.236	25.245, 47.820
338	102- 111	272- 281	25.245, 47.822	25.230, 48.238	25.607, 48.256	25.622, 47.838
339	102- 111	282- 291	25.622, 47.839	25.607, 48.257	25.984, 48.275	25.999, 47.856
340	102- 111	292- 301	25.999, 47.857	25.984, 48.277	26.360, 48.294	26.376, 47.874
341	102- 111	302- 309	26.376, 47.876	26.360, 48.296	26.643, 48.310	26.659, 47.888
342	112- 121	2- 11	15.108, 47.761	15.094, 48.146	15.456, 48.162	15.471, 47.776
343	112- 121	12- 21	15.471, 47.778	15.456, 48.163	15.828, 48.179	15.843, 47.792
344	112- 121	22- 31	15.843, 47.794	15.828, 48.181	16.201, 48.197	16.215, 47.809
345	112- 121	32- 41	16.215, 47.811	16.201, 48.199	16.573, 48.215	16.588, 47.826
346	112- 121	42- 51	16.588, 47.827	16.573, 48.216	16.946, 48.232	16.961, 47.842
347	112- 121	52- 61	16.961, 47.844	16.946, 48.234	17.320, 48.250	17.335, 47.859
348	112- 121	62- 71	17.335, 47.861	17.320, 48.252	17.694, 48.269	17.709, 47.876
349	112- 121	72- 81	17.709, 47.878	17.694, 48.270	18.068, 48.287	18.083, 47.893
350	112- 121	82- 91	18.083, 47.895	18.068, 48.288	18.442, 48.305	18.457, 47.910
351	112- 121	92- 101	18.457, 47.912	18.442, 48.307	18.817, 48.323	18.832, 47.927
352	112- 121	102- 111	18.832, 47.929	18.817, 48.325	19.192, 48.342	19.207, 47.945
353	112- 121	112- 121	19.207, 47.946	19.192, 48.344	19.567, 48.360	19.582, 47.962
354	112- 121	122- 131	19.582, 47.964	19.567, 48.362	19.942, 48.379	19.958, 47.980
355	112- 121	132- 141	19.958, 47.981	19.942, 48.381	20.318, 48.398	20.333, 47.997
356	112- 121	142- 151	20.333, 47.999	20.318, 48.400	20.694, 48.417	20.709, 48.015
357	112- 121	152- 161	20.709, 48.017	20.694, 48.419	21.070, 48.436	21.085, 48.033

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
358	112- 121	162- 171	21.085, 48.035	21.070, 48.438	21.446, 48.455	21.461, 48.051
359	112- 121	172- 181	21.461, 48.053	21.446, 48.457	21.822, 48.474	21.838, 48.069
360	112- 121	182- 191	21.838, 48.071	21.822, 48.476	22.198, 48.494	22.214, 48.087
361	112- 121	192- 201	22.214, 48.089	22.198, 48.496	22.575, 48.513	22.591, 48.105
362	112- 121	202- 211	22.591, 48.107	22.575, 48.515	22.951, 48.533	22.967, 48.124
363	112- 121	212- 221	22.967, 48.126	22.951, 48.535	23.328, 48.552	23.344, 48.142
364	112- 121	222- 231	23.344, 48.144	23.328, 48.554	23.705, 48.572	23.721, 48.161
365	112- 121	232- 241	23.721, 48.163	23.705, 48.574	24.082, 48.592	24.097, 48.180
366	112- 121	242- 251	24.097, 48.181	24.082, 48.594	24.458, 48.612	24.474, 48.198
367	112- 121	252- 261	24.474, 48.200	24.458, 48.614	24.835, 48.633	24.851, 48.217
368	112- 121	262- 271	24.851, 48.219	24.835, 48.635	25.212, 48.653	25.228, 48.236
369	112- 121	272- 281	25.228, 48.238	25.212, 48.655	25.589, 48.673	25.605, 48.256
370	112- 121	282- 291	25.605, 48.257	25.589, 48.675	25.966, 48.694	25.982, 48.275
371	112- 121	292- 301	25.982, 48.277	25.966, 48.696	26.342, 48.715	26.359, 48.294
372	112- 121	302- 309	26.359, 48.296	26.342, 48.717	26.625, 48.731	26.642, 48.310
373	122- 131	2- 11	15.092, 48.146	15.076, 48.531	15.439, 48.547	15.454, 48.162
374	122- 131	12- 21	15.454, 48.163	15.439, 48.549	15.811, 48.566	15.826, 48.179
375	122- 131	22- 31	15.826, 48.181	15.811, 48.568	16.183, 48.585	16.199, 48.197
376	122- 131	32- 41	16.199, 48.199	16.183, 48.587	16.556, 48.604	16.572, 48.215
377	122- 131	42- 51	16.572, 48.216	16.556, 48.606	16.929, 48.623	16.945, 48.232
378	122- 131	52- 61	16.945, 48.234	16.929, 48.625	17.302, 48.642	17.318, 48.250
379	122- 131	62- 71	17.318, 48.252	17.302, 48.644	17.676, 48.661	17.692, 48.269
380	122- 131	72- 81	17.692, 48.270	17.676, 48.663	18.050, 48.680	18.066, 48.287
381	122- 131	82- 91	18.066, 48.288	18.050, 48.682	18.424, 48.700	18.441, 48.305
382	122- 131	92- 101	18.441, 48.307	18.424, 48.702	18.799, 48.719	18.815, 48.323
383	122- 131	102- 111	18.815, 48.325	18.799, 48.721	19.174, 48.739	19.190, 48.342
384	122- 131	112- 121	19.190, 48.344	19.174, 48.741	19.549, 48.758	19.565, 48.360
385	122- 131	122- 131	19.565, 48.362	19.549, 48.760	19.924, 48.778	19.941, 48.379
386	122- 131	132- 141	19.941, 48.381	19.924, 48.780	20.300, 48.798	20.316, 48.398
387	122- 131	142- 151	20.316, 48.400	20.300, 48.800	20.675, 48.818	20.692, 48.417
388	122- 131	152- 161	20.692, 48.419	20.675, 48.820	21.051, 48.839	21.068, 48.436
389	122- 131	162- 171	21.068, 48.438	21.051, 48.841	21.427, 48.859	21.444, 48.455
390	122- 131	172- 181	21.444, 48.457	21.427, 48.861	21.804, 48.879	21.820, 48.474
391	122- 131	182- 191	21.820, 48.476	21.804, 48.882	22.180, 48.900	22.196, 48.494
392	122- 131	192- 201	22.196, 48.496	22.180, 48.902	22.556, 48.921	22.573, 48.513
393	122- 131	202- 211	22.573, 48.515	22.556, 48.923	22.933, 48.942	22.950, 48.533
394	122- 131	212- 221	22.950, 48.535	22.933, 48.944	23.309, 48.963	23.326, 48.552
395	122- 131	222- 231	23.326, 48.554	23.309, 48.965	23.686, 48.984	23.703, 48.572
396	122- 131	232- 241	23.703, 48.574	23.686, 48.986	24.063, 49.005	24.080, 48.592
397	122- 131	242- 251	24.080, 48.594	24.063, 49.007	24.440, 49.026	24.457, 48.612
398	122- 131	252- 261	24.457, 48.614	24.440, 49.028	24.816, 49.048	24.833, 48.633
399	122- 131	262- 271	24.833, 48.635	24.816, 49.050	25.193, 49.069	25.210, 48.653
400	122- 131	272- 281	25.210, 48.655	25.193, 49.071	25.570, 49.091	25.587, 48.673
401	122- 131	282- 291	25.587, 48.675	25.570, 49.093	25.947, 49.113	25.964, 48.694
402	122- 131	292- 301	25.964, 48.696	25.947, 49.115	26.323, 49.135	26.341, 48.715
403	122- 131	302- 309	26.341, 48.717	26.323, 49.137	26.606, 49.153	26.624, 48.731
404	132- 141	2- 11	15.075, 48.531	15.058, 48.915	15.420, 48.933	15.437, 48.547
405	132- 141	12- 21	15.437, 48.549	15.420, 48.935	15.792, 48.953	15.809, 48.566
406	132- 141	22- 31	15.809, 48.568	15.792, 48.955	16.165, 48.973	16.181, 48.585
407	132- 141	32- 41	16.181, 48.587	16.165, 48.975	16.537, 48.993	16.554, 48.604
408	132- 141	42- 51	16.554, 48.606	16.537, 48.995	16.910, 49.013	16.927, 48.623

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
409	132- 141	52- 61	16.927, 48.625	16.910, 49.015	17.284, 49.033	17.300, 48.642
410	132- 141	62- 71	17.300, 48.644	17.284, 49.035	17.657, 49.053	17.674, 48.661
411	132- 141	72- 81	17.674, 48.663	17.657, 49.055	18.031, 49.074	18.048, 48.680
412	132- 141	82- 91	18.048, 48.682	18.031, 49.076	18.405, 49.094	18.423, 48.700
413	132- 141	92- 101	18.423, 48.702	18.405, 49.096	18.780, 49.115	18.797, 48.719
414	132- 141	102- 111	18.797, 48.721	18.780, 49.117	19.155, 49.136	19.172, 48.739
415	132- 141	112- 121	19.172, 48.741	19.155, 49.138	19.530, 49.157	19.547, 48.758
416	132- 141	122- 131	19.547, 48.760	19.530, 49.159	19.905, 49.178	19.922, 48.778
417	132- 141	132- 141	19.922, 48.780	19.905, 49.180	20.280, 49.199	20.298, 48.798
418	132- 141	142- 151	20.298, 48.800	20.280, 49.201	20.656, 49.220	20.674, 48.818
419	132- 141	152- 161	20.674, 48.820	20.656, 49.222	21.032, 49.241	21.049, 48.839
420	132- 141	162- 171	21.049, 48.841	21.032, 49.244	21.408, 49.263	21.425, 48.859
421	132- 141	172- 181	21.425, 48.861	21.408, 49.265	21.784, 49.285	21.802, 48.879
422	132- 141	182- 191	21.802, 48.882	21.784, 49.287	22.160, 49.306	22.178, 48.900
423	132- 141	192- 201	22.178, 48.902	22.160, 49.309	22.537, 49.328	22.554, 48.921
424	132- 141	202- 211	22.554, 48.923	22.537, 49.330	22.913, 49.350	22.931, 48.942
425	132- 141	212- 221	22.931, 48.944	22.913, 49.353	23.290, 49.373	23.307, 48.963
426	132- 141	222- 231	23.307, 48.965	23.290, 49.375	23.666, 49.395	23.684, 48.984
427	132- 141	232- 241	23.684, 48.986	23.666, 49.397	24.043, 49.417	24.061, 49.005
428	132- 141	242- 251	24.061, 49.007	24.043, 49.420	24.420, 49.440	24.438, 49.026
429	132- 141	252- 261	24.438, 49.028	24.420, 49.442	24.796, 49.463	24.814, 49.048
430	132- 141	262- 271	24.814, 49.050	24.796, 49.465	25.173, 49.486	25.191, 49.069
431	132- 141	272- 281	25.191, 49.071	25.173, 49.488	25.550, 49.508	25.568, 49.091
432	132- 141	282- 291	25.568, 49.093	25.550, 49.511	25.926, 49.532	25.945, 49.113
433	132- 141	292- 301	25.945, 49.115	25.926, 49.534	26.303, 49.555	26.321, 49.135
434	132- 141	302- 309	26.321, 49.137	26.303, 49.557	26.586, 49.574	26.604, 49.153
435	142- 151	2- 11	15.056, 48.915	15.039, 49.300	15.401, 49.319	15.418, 48.933
436	142- 151	12- 21	15.418, 48.935	15.401, 49.321	15.773, 49.339	15.790, 48.953
437	142- 151	22- 31	15.790, 48.955	15.773, 49.342	16.145, 49.360	16.163, 48.973
438	142- 151	32- 41	16.163, 48.975	16.145, 49.363	16.518, 49.381	16.535, 48.993
439	142- 151	42- 51	16.535, 48.995	16.518, 49.384	16.890, 49.403	16.908, 49.013
440	142- 151	52- 61	16.908, 49.015	16.890, 49.405	17.264, 49.424	17.282, 49.033
441	142- 151	62- 71	17.282, 49.035	17.264, 49.426	17.637, 49.445	17.655, 49.053
442	142- 151	72- 81	17.655, 49.055	17.637, 49.447	18.011, 49.467	18.029, 49.074
443	142- 151	82- 91	18.029, 49.076	18.011, 49.469	18.385, 49.489	18.403, 49.094
444	142- 151	92- 101	18.403, 49.096	18.385, 49.491	18.760, 49.510	18.778, 49.115
445	142- 151	102- 111	18.778, 49.117	18.760, 49.513	19.135, 49.532	19.153, 49.136
446	142- 151	112- 121	19.153, 49.138	19.135, 49.535	19.509, 49.554	19.528, 49.157
447	142- 151	122- 131	19.528, 49.159	19.509, 49.557	19.885, 49.577	19.903, 49.178
448	142- 151	132- 141	19.903, 49.180	19.885, 49.579	20.260, 49.599	20.278, 49.199
449	142- 151	142- 151	20.278, 49.201	20.260, 49.601	20.636, 49.621	20.654, 49.220
450	142- 151	152- 161	20.654, 49.222	20.636, 49.624	21.011, 49.644	21.030, 49.241
451	142- 151	162- 171	21.030, 49.244	21.011, 49.646	21.387, 49.667	21.406, 49.263
452	142- 151	172- 181	21.406, 49.265	21.387, 49.669	21.763, 49.690	21.782, 49.285
453	142- 151	182- 191	21.782, 49.287	21.763, 49.692	22.139, 49.713	22.158, 49.306
454	142- 151	192- 201	22.158, 49.309	22.139, 49.715	22.516, 49.736	22.535, 49.328
455	142- 151	202- 211	22.535, 49.330	22.516, 49.738	22.892, 49.759	22.911, 49.350
456	142- 151	212- 221	22.911, 49.353	22.892, 49.761	23.269, 49.782	23.287, 49.373
457	142- 151	222- 231	23.287, 49.375	23.269, 49.785	23.645, 49.806	23.664, 49.395
458	142- 151	232- 241	23.664, 49.397	23.645, 49.808	24.022, 49.830	24.041, 49.417
459	142- 151	242- 251	24.041, 49.420	24.022, 49.832	24.398, 49.853	24.417, 49.440

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
460	142- 151	252- 261	24.417, 49.442	24.398, 49.856	24.775, 49.877	24.794, 49.463
461	142- 151	262- 271	24.794, 49.465	24.775, 49.880	25.152, 49.902	25.171, 49.486
462	142- 151	272- 281	25.171, 49.488	25.152, 49.904	25.528, 49.926	25.548, 49.508
463	142- 151	282- 291	25.548, 49.511	25.528, 49.928	25.905, 49.950	25.924, 49.532
464	142- 151	292- 301	25.924, 49.534	25.905, 49.953	26.281, 49.975	26.301, 49.555
465	142- 151	302- 309	26.301, 49.557	26.281, 49.977	26.565, 49.995	26.584, 49.574
466	152- 161	2- 11	15.037, 49.300	15.018, 49.684	15.380, 49.704	15.399, 49.319
467	152- 161	12- 21	15.399, 49.321	15.380, 49.706	15.752, 49.726	15.771, 49.339
468	152- 161	22- 31	15.771, 49.342	15.752, 49.728	16.124, 49.748	16.143, 49.360
469	152- 161	32- 41	16.143, 49.363	16.124, 49.750	16.497, 49.770	16.515, 49.381
470	152- 161	42- 51	16.515, 49.384	16.497, 49.772	16.870, 49.792	16.888, 49.403
471	152- 161	52- 61	16.888, 49.405	16.870, 49.795	17.243, 49.815	17.262, 49.424
472	152- 161	62- 71	17.262, 49.426	17.243, 49.817	17.616, 49.837	17.635, 49.445
473	152- 161	72- 81	17.635, 49.447	17.616, 49.840	17.990, 49.860	18.009, 49.467
474	152- 161	82- 91	18.009, 49.469	17.990, 49.862	18.364, 49.883	18.383, 49.489
475	152- 161	92- 101	18.383, 49.491	18.364, 49.885	18.739, 49.906	18.758, 49.510
476	152- 161	102- 111	18.758, 49.513	18.739, 49.908	19.113, 49.929	19.132, 49.532
477	152- 161	112- 121	19.132, 49.535	19.113, 49.931	19.488, 49.952	19.507, 49.554
478	152- 161	122- 131	19.507, 49.557	19.488, 49.954	19.863, 49.976	19.882, 49.577
479	152- 161	132- 141	19.882, 49.579	19.863, 49.978	20.238, 49.999	20.258, 49.599
480	152- 161	142- 151	20.258, 49.601	20.238, 50.001	20.614, 50.023	20.633, 49.621
481	152- 161	152- 161	20.633, 49.624	20.614, 50.025	20.990, 50.046	21.009, 49.644
482	152- 161	162- 171	21.009, 49.646	20.990, 50.049	21.366, 50.070	21.385, 49.667
483	152- 161	172- 181	21.385, 49.669	21.366, 50.073	21.741, 50.094	21.761, 49.690
484	152- 161	182- 191	21.761, 49.692	21.741, 50.097	22.118, 50.119	22.137, 49.713
485	152- 161	192- 201	22.137, 49.715	22.118, 50.121	22.494, 50.143	22.514, 49.736
486	152- 161	202- 211	22.514, 49.738	22.494, 50.145	22.870, 50.167	22.890, 49.759
487	152- 161	212- 221	22.890, 49.761	22.870, 50.170	23.247, 50.192	23.266, 49.782
488	152- 161	222- 231	23.266, 49.785	23.247, 50.195	23.623, 50.217	23.643, 49.806
489	152- 161	232- 241	23.643, 49.808	23.623, 50.219	24.000, 50.242	24.020, 49.830
490	152- 161	242- 251	24.020, 49.832	24.000, 50.244	24.376, 50.267	24.396, 49.853
491	152- 161	252- 261	24.396, 49.856	24.376, 50.269	24.753, 50.292	24.773, 49.877
492	152- 161	262- 271	24.773, 49.880	24.753, 50.295	25.129, 50.317	25.149, 49.902
493	152- 161	272- 281	25.149, 49.904	25.129, 50.320	25.506, 50.343	25.526, 49.926
494	152- 161	282- 291	25.526, 49.928	25.506, 50.346	25.882, 50.369	25.903, 49.950
495	152- 161	292- 301	25.903, 49.953	25.882, 50.371	26.259, 50.395	26.279, 49.975
496	152- 161	302- 309	26.279, 49.977	26.259, 50.397	26.542, 50.415	26.562, 49.995
497	162- 171	2- 11	15.016, 49.684	14.997, 50.069	15.359, 50.089	15.378, 49.704
498	162- 171	12- 21	15.378, 49.706	15.359, 50.092	15.730, 50.112	15.750, 49.726
499	162- 171	22- 31	15.750, 49.728	15.730, 50.115	16.103, 50.135	16.122, 49.748
500	162- 171	32- 41	16.122, 49.750	16.103, 50.138	16.475, 50.159	16.495, 49.770
501	162- 171	42- 51	16.495, 49.772	16.475, 50.161	16.848, 50.182	16.868, 49.792
502	162- 171	52- 61	16.868, 49.795	16.848, 50.185	17.221, 50.206	17.241, 49.815
503	162- 171	62- 71	17.241, 49.817	17.221, 50.208	17.594, 50.229	17.614, 49.837
504	162- 171	72- 81	17.614, 49.840	17.594, 50.232	17.968, 50.253	17.988, 49.860
505	162- 171	82- 91	17.988, 49.862	17.968, 50.256	18.342, 50.277	18.362, 49.883
506	162- 171	92- 101	18.362, 49.885	18.342, 50.279	18.716, 50.301	18.736, 49.906
507	162- 171	102- 111	18.736, 49.908	18.716, 50.304	19.091, 50.325	19.111, 49.929
508	162- 171	112- 121	19.111, 49.931	19.091, 50.328	19.466, 50.350	19.486, 49.952
509	162- 171	122- 131	19.486, 49.954	19.466, 50.352	19.841, 50.374	19.861, 49.976
510	162- 171	132- 141	19.861, 49.978	19.841, 50.377	20.216, 50.399	20.236, 49.999

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
511	162- 171	142- 151	20.236, 50.001	20.216, 50.402	20.591, 50.424	20.612, 50.023
512	162- 171	152- 161	20.612, 50.025	20.591, 50.426	20.967, 50.449	20.987, 50.046
513	162- 171	162- 171	20.987, 50.049	20.967, 50.451	21.343, 50.474	21.363, 50.070
514	162- 171	172- 181	21.363, 50.073	21.343, 50.476	21.719, 50.499	21.739, 50.094
515	162- 171	182- 191	21.739, 50.097	21.719, 50.502	22.095, 50.524	22.115, 50.119
516	162- 171	192- 201	22.115, 50.121	22.095, 50.527	22.471, 50.550	22.492, 50.143
517	162- 171	202- 211	22.492, 50.145	22.471, 50.553	22.847, 50.576	22.868, 50.167
518	162- 171	212- 221	22.868, 50.170	22.847, 50.578	23.223, 50.602	23.244, 50.192
519	162- 171	222- 231	23.244, 50.195	23.223, 50.604	23.600, 50.628	23.621, 50.217
520	162- 171	232- 241	23.621, 50.219	23.600, 50.630	23.976, 50.654	23.997, 50.242
521	162- 171	242- 251	23.997, 50.244	23.976, 50.657	24.353, 50.680	24.374, 50.267
522	162- 171	252- 261	24.374, 50.269	24.353, 50.683	24.729, 50.707	24.750, 50.292
523	162- 171	262- 271	24.750, 50.295	24.729, 50.709	25.106, 50.733	25.127, 50.317
524	162- 171	272- 281	25.127, 50.320	25.106, 50.736	25.482, 50.760	25.503, 50.343
525	162- 171	282- 291	25.503, 50.346	25.482, 50.763	25.859, 50.787	25.880, 50.369
526	162- 171	292- 301	25.880, 50.371	25.859, 50.790	26.235, 50.814	26.257, 50.395
527	162- 171	302- 309	26.257, 50.397	26.235, 50.817	26.518, 50.836	26.539, 50.415
528	172- 181	2- 11	14.995, 50.069	14.974, 50.453	15.336, 50.474	15.357, 50.089
529	172- 181	12- 21	15.357, 50.092	15.336, 50.477	15.708, 50.498	15.728, 50.112
530	172- 181	22- 31	15.728, 50.115	15.708, 50.501	16.080, 50.523	16.100, 50.135
531	172- 181	32- 41	16.100, 50.138	16.080, 50.525	16.452, 50.547	16.473, 50.159
532	172- 181	42- 51	16.473, 50.161	16.452, 50.550	16.825, 50.572	16.846, 50.182
533	172- 181	52- 61	16.846, 50.185	16.825, 50.574	17.198, 50.596	17.219, 50.206
534	172- 181	62- 71	17.219, 50.208	17.198, 50.599	17.571, 50.621	17.592, 50.229
535	172- 181	72- 81	17.592, 50.232	17.571, 50.624	17.945, 50.646	17.966, 50.253
536	172- 181	82- 91	17.966, 50.256	17.945, 50.649	18.319, 50.671	18.340, 50.277
537	172- 181	92- 101	18.340, 50.279	18.319, 50.674	18.693, 50.696	18.714, 50.301
538	172- 181	102- 111	18.714, 50.304	18.693, 50.699	19.067, 50.722	19.089, 50.325
539	172- 181	112- 121	19.089, 50.328	19.067, 50.724	19.442, 50.747	19.463, 50.350
540	172- 181	122- 131	19.463, 50.352	19.442, 50.750	19.817, 50.773	19.838, 50.374
541	172- 181	132- 141	19.838, 50.377	19.817, 50.776	20.192, 50.799	20.214, 50.399
542	172- 181	142- 151	20.214, 50.402	20.192, 50.801	20.567, 50.825	20.589, 50.424
543	172- 181	152- 161	20.589, 50.426	20.567, 50.827	20.943, 50.851	20.965, 50.449
544	172- 181	162- 171	20.965, 50.451	20.943, 50.854	21.319, 50.877	21.340, 50.474
545	172- 181	172- 181	21.340, 50.476	21.319, 50.880	21.694, 50.904	21.716, 50.499
546	172- 181	182- 191	21.716, 50.502	21.694, 50.906	22.070, 50.930	22.092, 50.524
547	172- 181	192- 201	22.092, 50.527	22.070, 50.933	22.446, 50.957	22.468, 50.550
548	172- 181	202- 211	22.468, 50.553	22.446, 50.960	22.823, 50.984	22.845, 50.576
549	172- 181	212- 221	22.845, 50.578	22.823, 50.987	23.199, 51.011	23.221, 50.602
550	172- 181	222- 231	23.221, 50.604	23.199, 51.014	23.575, 51.038	23.597, 50.628
551	172- 181	232- 241	23.597, 50.630	23.575, 51.041	23.952, 51.066	23.974, 50.654
552	172- 181	242- 251	23.974, 50.657	23.952, 51.069	24.328, 51.093	24.350, 50.680
553	172- 181	252- 261	24.350, 50.683	24.328, 51.096	24.704, 51.121	24.727, 50.707
554	172- 181	262- 271	24.727, 50.709	24.704, 51.124	25.081, 51.149	25.103, 50.733
555	172- 181	272- 281	25.103, 50.736	25.081, 51.152	25.457, 51.177	25.480, 50.760
556	172- 181	282- 291	25.480, 50.763	25.457, 51.180	25.834, 51.205	25.856, 50.787
557	172- 181	292- 301	25.856, 50.790	25.834, 51.208	26.210, 51.234	26.233, 50.814
558	172- 181	302- 309	26.233, 50.817	26.210, 51.237	26.493, 51.257	26.516, 50.836
559	182- 191	2- 11	14.972, 50.453	14.951, 50.837	15.312, 50.859	15.334, 50.474
560	182- 191	12- 21	15.334, 50.477	15.312, 50.862	15.684, 50.885	15.705, 50.498
561	182- 191	22- 31	15.705, 50.501	15.684, 50.887	16.056, 50.910	16.077, 50.523

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
562	182- 191	32- 41	16.077, 50.525	16.056, 50.913	16.428, 50.935	16.450, 50.547
563	182- 191	42- 51	16.450, 50.550	16.428, 50.938	16.801, 50.961	16.822, 50.572
564	182- 191	52- 61	16.822, 50.574	16.801, 50.964	17.174, 50.987	17.195, 50.596
565	182- 191	62- 71	17.195, 50.599	17.174, 50.989	17.547, 51.013	17.569, 50.621
566	182- 191	72- 81	17.569, 50.624	17.547, 51.015	17.920, 51.039	17.942, 50.646
567	182- 191	82- 91	17.942, 50.649	17.920, 51.041	18.294, 51.065	18.316, 50.671
568	182- 191	92- 101	18.316, 50.674	18.294, 51.068	18.668, 51.091	18.691, 50.696
569	182- 191	102- 111	18.691, 50.699	18.668, 51.094	19.043, 51.118	19.065, 50.722
570	182- 191	112- 121	19.065, 50.724	19.043, 51.121	19.417, 51.145	19.440, 50.747
571	182- 191	122- 131	19.440, 50.750	19.417, 51.147	19.792, 51.172	19.815, 50.773
572	182- 191	132- 141	19.815, 50.776	19.792, 51.174	20.167, 51.199	20.190, 50.799
573	182- 191	142- 151	20.190, 50.801	20.167, 51.201	20.543, 51.226	20.565, 50.825
574	182- 191	152- 161	20.565, 50.827	20.543, 51.228	20.918, 51.253	20.941, 50.851
575	182- 191	162- 171	20.941, 50.854	20.918, 51.256	21.294, 51.280	21.316, 50.877
576	182- 191	172- 181	21.316, 50.880	21.294, 51.283	21.669, 51.308	21.692, 50.904
577	182- 191	182- 191	21.692, 50.906	21.669, 51.311	22.045, 51.336	22.068, 50.930
578	182- 191	192- 201	22.068, 50.933	22.045, 51.339	22.421, 51.364	22.444, 50.957
579	182- 191	202- 211	22.444, 50.960	22.421, 51.367	22.797, 51.392	22.820, 50.984
580	182- 191	212- 221	22.820, 50.987	22.797, 51.395	23.173, 51.420	23.196, 51.011
581	182- 191	222- 231	23.196, 51.014	23.173, 51.423	23.550, 51.449	23.573, 51.038
582	182- 191	232- 241	23.573, 51.041	23.550, 51.452	23.926, 51.477	23.949, 51.066
583	182- 191	242- 251	23.949, 51.069	23.926, 51.480	24.302, 51.506	24.326, 51.093
584	182- 191	252- 261	24.326, 51.096	24.302, 51.509	24.679, 51.535	24.702, 51.121
585	182- 191	262- 271	24.702, 51.124	24.679, 51.538	25.055, 51.564	25.078, 51.149
586	182- 191	272- 281	25.078, 51.152	25.055, 51.567	25.431, 51.594	25.455, 51.177
587	182- 191	282- 291	25.455, 51.180	25.431, 51.597	25.808, 51.623	25.831, 51.205
588	182- 191	292- 301	25.831, 51.208	25.808, 51.626	26.184, 51.653	26.208, 51.234
589	182- 191	302- 309	26.208, 51.237	26.184, 51.656	26.467, 51.677	26.490, 51.257
590	192- 204	2- 11	14.948, 50.837	14.918, 51.326	15.280, 51.350	15.310, 50.859
591	192- 204	12- 21	15.310, 50.862	15.280, 51.353	15.652, 51.377	15.682, 50.885
592	192- 204	22- 31	15.682, 50.887	15.652, 51.379	16.023, 51.403	16.054, 50.910
593	192- 204	32- 41	16.054, 50.913	16.023, 51.406	16.396, 51.430	16.426, 50.935
594	192- 204	42- 51	16.426, 50.938	16.396, 51.433	16.768, 51.457	16.798, 50.961
595	192- 204	52- 61	16.798, 50.964	16.768, 51.460	17.141, 51.485	17.171, 50.987
596	192- 204	62- 71	17.171, 50.989	17.141, 51.487	17.514, 51.512	17.545, 51.013
597	192- 204	72- 81	17.545, 51.015	17.514, 51.515	17.887, 51.539	17.918, 51.039
598	192- 204	82- 91	17.918, 51.041	17.887, 51.542	18.261, 51.567	18.292, 51.065
599	192- 204	92- 101	18.292, 51.068	18.261, 51.570	18.635, 51.595	18.666, 51.091
600	192- 204	102- 111	18.666, 51.094	18.635, 51.598	19.009, 51.623	19.040, 51.118
601	192- 204	112- 121	19.040, 51.121	19.009, 51.626	19.384, 51.651	19.415, 51.145
602	192- 204	122- 131	19.415, 51.147	19.384, 51.654	19.758, 51.679	19.790, 51.172
603	192- 204	132- 141	19.790, 51.174	19.758, 51.682	20.133, 51.708	20.165, 51.199
604	192- 204	142- 151	20.165, 51.201	20.133, 51.711	20.509, 51.736	20.540, 51.226
605	192- 204	152- 161	20.540, 51.228	20.509, 51.739	20.884, 51.765	20.915, 51.253
606	192- 204	162- 171	20.915, 51.256	20.884, 51.768	21.259, 51.794	21.291, 51.280
607	192- 204	172- 181	21.291, 51.283	21.259, 51.797	21.635, 51.823	21.667, 51.308
608	192- 204	182- 191	21.667, 51.311	21.635, 51.826	22.011, 51.853	22.043, 51.336
609	192- 204	192- 201	22.043, 51.339	22.011, 51.856	22.387, 51.882	22.419, 51.364
610	192- 204	202- 211	22.419, 51.367	22.387, 51.885	22.763, 51.912	22.795, 51.392
611	192- 204	212- 221	22.795, 51.395	22.763, 51.915	23.139, 51.942	23.171, 51.420
612	192- 204	222- 231	23.171, 51.423	23.139, 51.945	23.515, 51.972	23.547, 51.449

### 4km MM5 Data for Middle East (D5): Individual Tile Corner Coordinates

#	I Range	J Range	Corner Latitude and Longitude			
			SW	SE	NE	NW
613	192- 204	232- 241	23.547, 51.452	23.515, 51.975	23.891, 52.002	23.923, 51.477
614	192- 204	242- 251	23.923, 51.480	23.891, 52.005	24.267, 52.033	24.300, 51.506
615	192- 204	252- 261	24.300, 51.509	24.267, 52.035	24.643, 52.063	24.676, 51.535
616	192- 204	262- 271	24.676, 51.538	24.643, 52.066	25.020, 52.094	25.052, 51.564
617	192- 204	272- 281	25.052, 51.567	25.020, 52.097	25.396, 52.125	25.429, 51.594
618	192- 204	282- 291	25.429, 51.597	25.396, 52.128	25.772, 52.156	25.805, 51.623
619	192- 204	292- 301	25.805, 51.626	25.772, 52.159	26.148, 52.187	26.181, 51.653
620	192- 204	302- 309	26.181, 51.656	26.148, 52.191	26.431, 52.213	26.464, 51.677