

## Measurements summary & quick-look plots

Durham University & ESO



# Stereo SCIDAR @ Paranal 2016

Stereo SCIDAR@Paranal Measurements Summary Table (dome subtracted)				
Date (beginning of night)	# profiles	Average R0(m)/seeing(")	Average Theta0(")	Average Tau0(ms)
20160429	348	0.156/0.64	2.3	4.1
20160722	225	0.143/0.70	1.9	2.6
20160723	322	0.145/0.69	2.1	2.4
20160724	239	0.109/0.92	1.3	1.3
20160725	259	0.089/1.12	1.5	1.9
20160726	320	0.150/0.67	2.8	6.4
20161030	188	0.161/0.62	1.8	4.0
20161031	205	0.178/0.56	2.8	5.6
20161101	207	0.152/0.66	1.9	3.9
20161102	193	0.101/0.99	1.0	3.4
20161210	82	0.083/1.20	1.3	1.5
20161211	70	0.078/1.28	1.1	1.6
20161212	210	0.124/0.81	2.5	5.2





# Stereo SCIDAR @ Paranal 2017

Stereo SCIDAR@Paranal Measurements Summary Table (dome subtracted)				
Date (beginning of night)	# profiles	Average R0(m)/seeing(")	Average Theta0(")	Average Tau0(ms)
20170307	191	0.168/0.60	2.1	6.8
20170308	204	0.169/0.59	2.0	6.3
20170309	201	0.159/0.63	2.0	5.7
20170412	210	0.142/0.82	2.6	4.1
20170413	227	0.204/0.54	2.7	5.6
20170414	203	0.228/0.47	2.2	4.5
20170415	232	0.235/0.44	2.2	5.7
20170416	237	0.218/0.48	1.8	3.9
20170417	197	0.119/0.87	0.9	1.4
20170418	133	0.110/0.93	1.1	1.8





# Stereo SCIDAR @ Paranal 2017

Stereo SCIDAR@Paranal Measurements Summary Table (dome subtracted)				
Date (beginning of night)	# profiles	Average R0(m)/seeing(")	Average Theta0(")	Average Tau0(ms)
20170505	91	0.161/0.62	2.4	4.2
20170506	83	0.132/0.76	1.4	1.8
20170507	118	0.143/0.70	1.5	2.2
20170508	142	0.149/0.67	1.6	2.3
20170509	3	0.188/0.53	1.9	2.7
20170608	133	0.080/1.33	1.1	1.7
20170609	218	0.110/0.95	1.2	3.0
20170610	213	0.112/0.99	1.3	1.8
20170703	191	0.120/0.88	1.3	1.9
20170704	63	0.107/1.01	1.5	2.5





# Stereo SCIDAR @ Paranal 2017

Stereo SCIDAR@Paranal Measurements Summary Table (dome subtracted)				
Date (beginning of night)	# profiles	Average R0(m)/seeing(")	Average Theta0(")	Average Tau0(ms)
20170705	150	0.11/0.98	1.2	2.4
20170706	120	0.16/0.65	1.4	3.4
20170707	212	0.14/0.77	1.3	2.7
20170708	198	0.17/0.62	2.2	4.7
20170709	198	0.16/0.70	2.3	6.0
20170803	112	0.10/1.03	1.9	2.3
20170804	139	0.19/0.55	2.5	4.0
20170805	182	0.19/0.54	2.6	4.4
20170806	222	0.16/0.66	1.5	2.8
20170807	220	0.15/0.69	1.5	2.8
20170808	212	0.24/0.42	2.5	5.1





# Stereo SCIDAR @ Paranal 2017

Stereo SCIDAR@Paranal Measurements Summary Table (dome subtracted)				
Date (beginning of night)	# profiles	Average R0(m)/seeing(")	Average Theta0(")	Average Tau0(ms)
20171104	134	0.18/0.56	1.85	4.08
20171105	160	0.22/0.47	1.64	7.65
20171106	157	0.21/0.50	1.71	3.77
20171107	163	0.22/0.48	1.51	5.01
20171108	180	0.21/0.49	1.76	8.88
20171109	120	0.14/0.74	2.17	3.84
20171118	146	0.17/0.61	1.79	3.17
20171119	73	0.10/1.07	1.87	2.38
20171120	99	0.13/0.77	2.08	2.73
20171129	104	0.19/0.57	1.47	5.00
20171130	113	0.18/0.58	2.04	4.93





# Stereo SCIDAR @ Paranal 2017

Stereo SCIDAR@Paranal Measurements Summary Table (dome subtracted)				
Date (beginning of night)	# profiles	Average R0(m)/seeing(")	Average Theta0(")	Average Tau0(ms)
20171201	5	0.13/0.79	1.66	2.17
20171202	86	0.13/0.84	1.44	2.07
20171205	175	0.16/0.64	1.27	2.50
20171206	38	0.15/0.70	1.57	3.34
20171207	0			
20171208	93	0.17/0.67	2.14	6.16
20171209	77	0.15/0.70	1.64	3.60
20171210	185	0.17/0.62	1.56	6.35
20171211	177	0.16/0.57	1.46	3.53
20171212	175	0.22/0.48	1.72	6.11
20171213	178	0.15/0.79	2.21	5.99





# Stereo SCIDAR @ Paranal 2017

Stereo SCIDAR@Paranal Measurements Summary Table (dome subtracted)				
Date (beginning of night)	# profiles	Average R0(m)/seeing(")	Average Theta0(")	Average Tau0(ms)
20171214	149	0.11/1.01	1.99	4.20
20171215	123	0.15/0.70	2.18	6.89
20171216	113	0.20/0.53	2.29	7.80
20171217	22	0.12/0.84	2.06	5.00
20171218	91	0.19/0.56	1.86	5.74



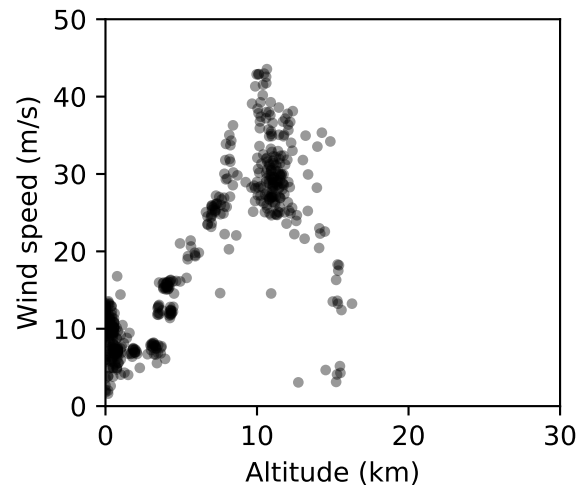
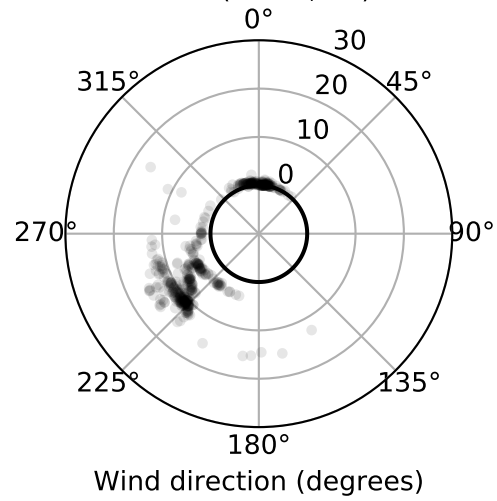
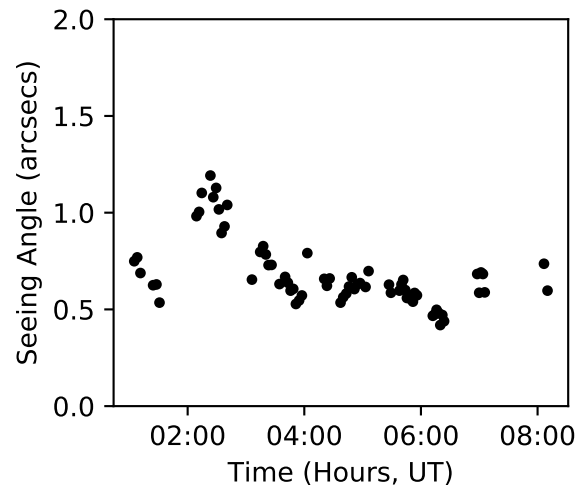
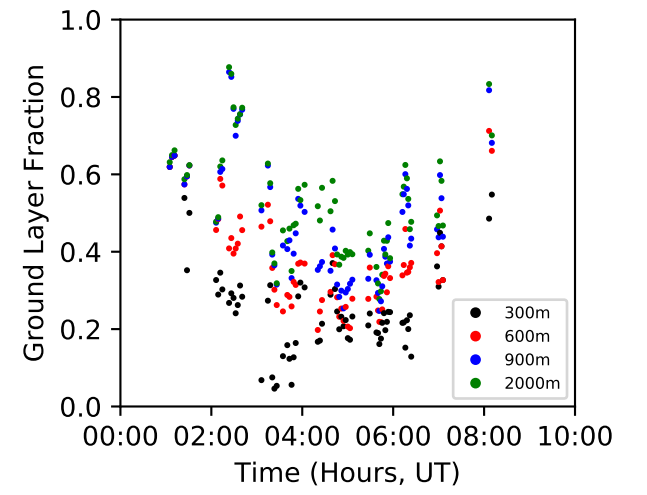
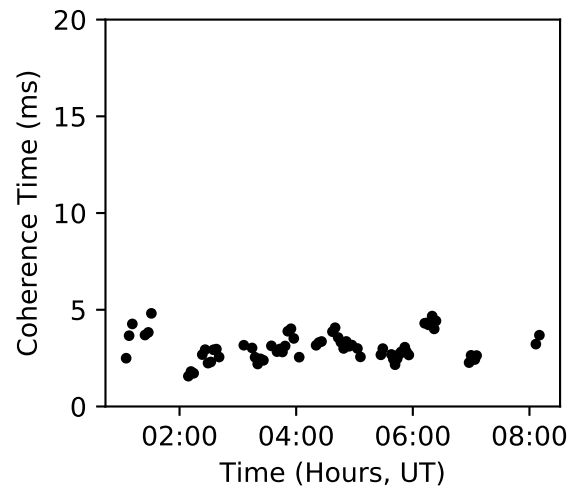
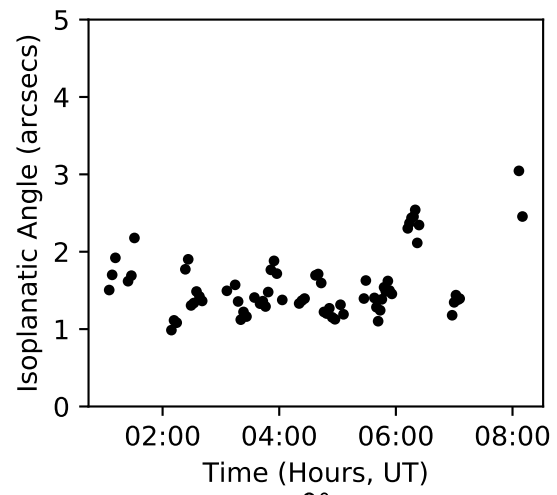
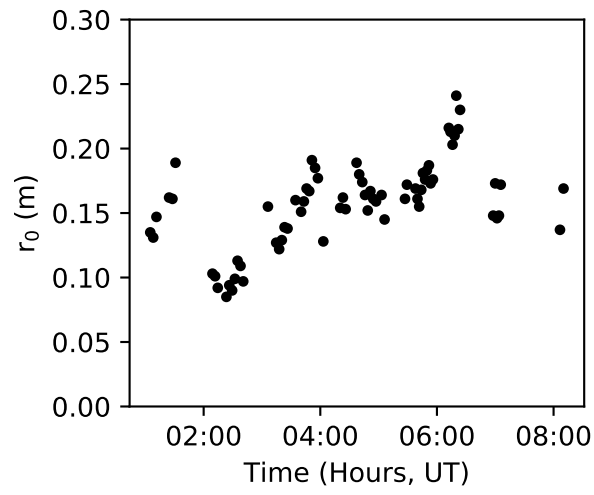




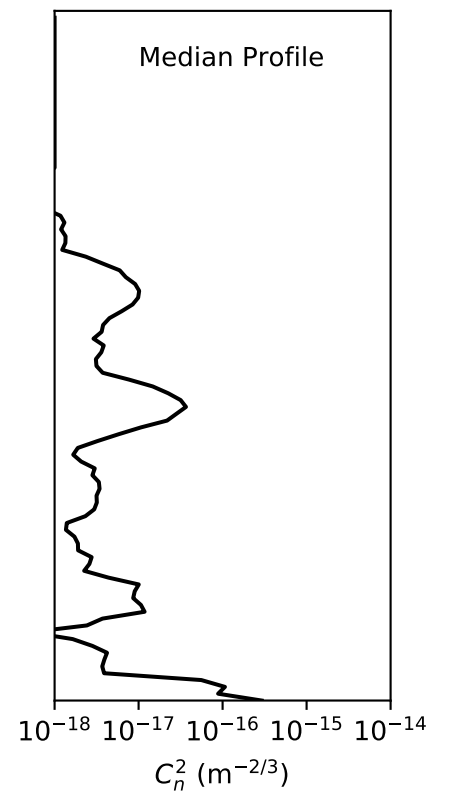
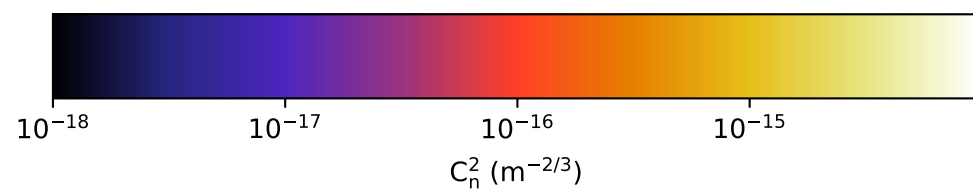
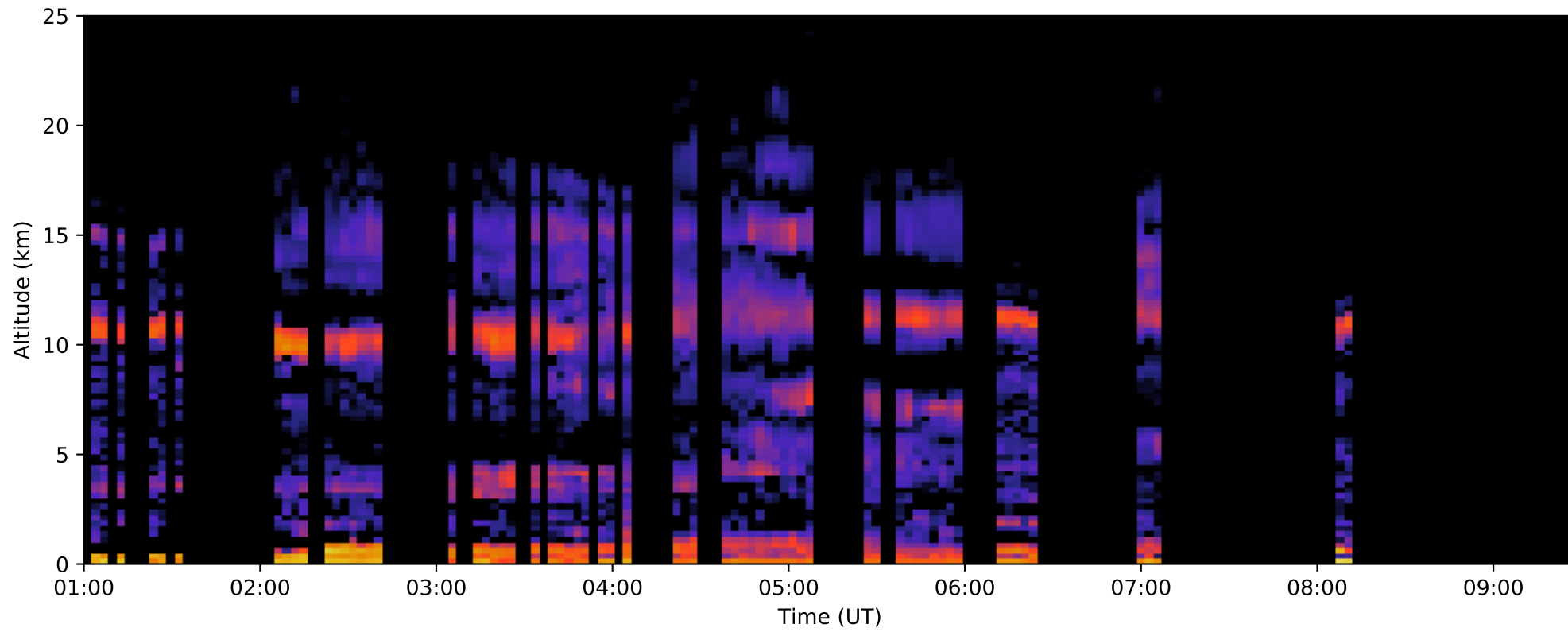
# Stereo SCIDAR @ Paranal 2016-2017

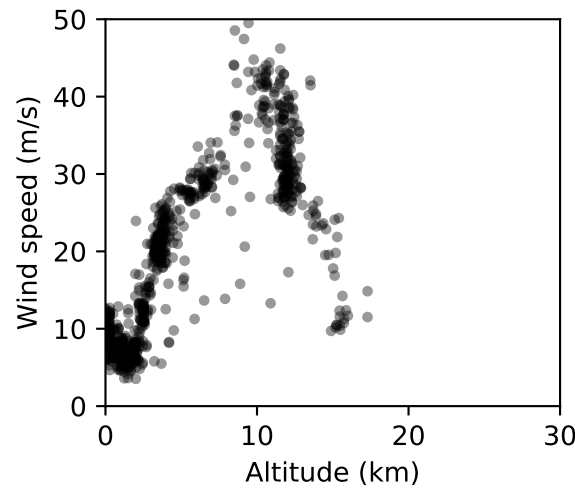
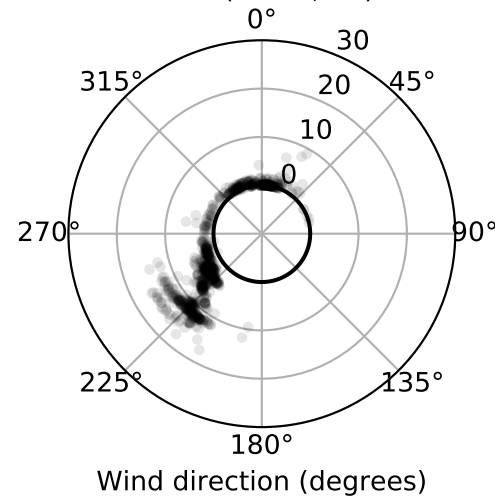
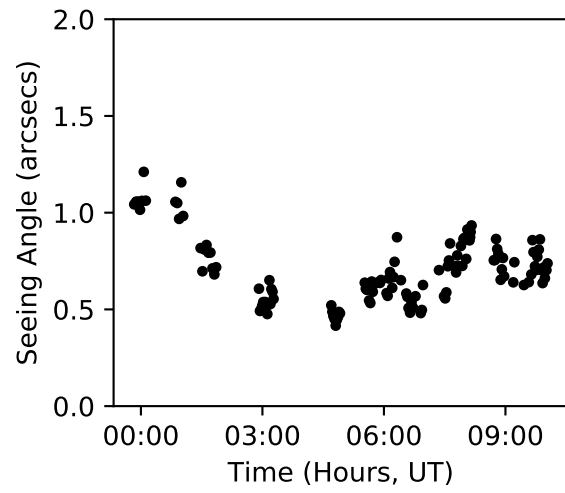
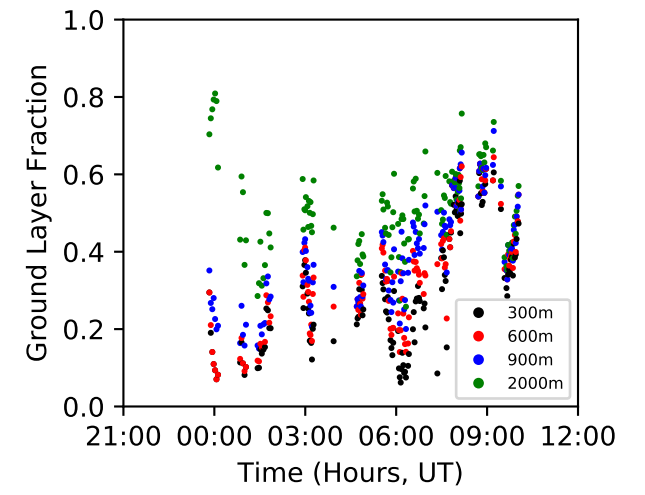
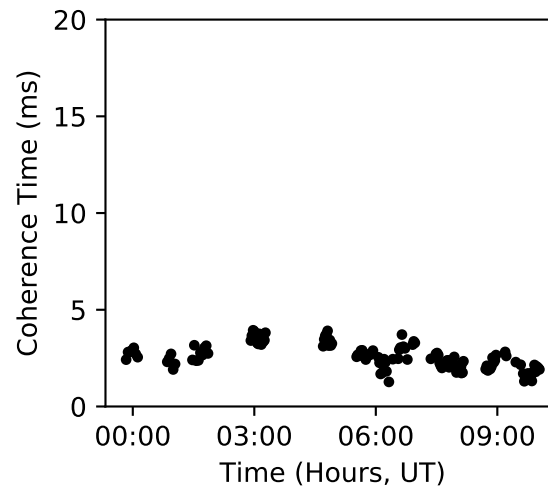
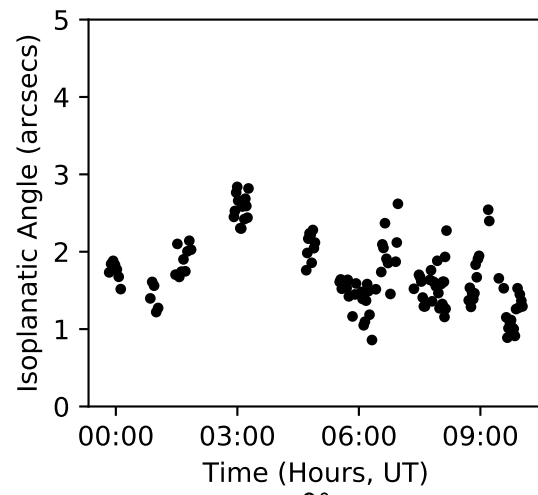
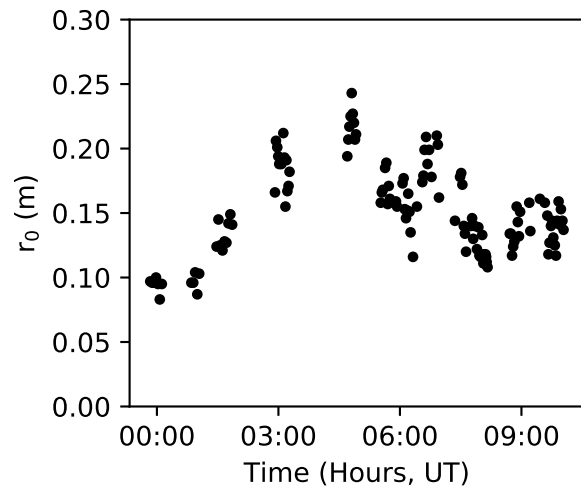
Stereo SCIDAR@Paranal Measurements Summary Table (dome subtracted)				
Date (beginning of night)	# profiles	Average R0(m)/seeing(")	Average Theta0(")	Average Tau0(ms)
Total 2016 13 nights	2647	0.16/0.74	1.9	3.9
Total 2017 57 nights	8145	0.17/0.68	1.9	4.3
Grand Total 2016-2017 70 nights	10792	0.16/0.69	1.9	4.2



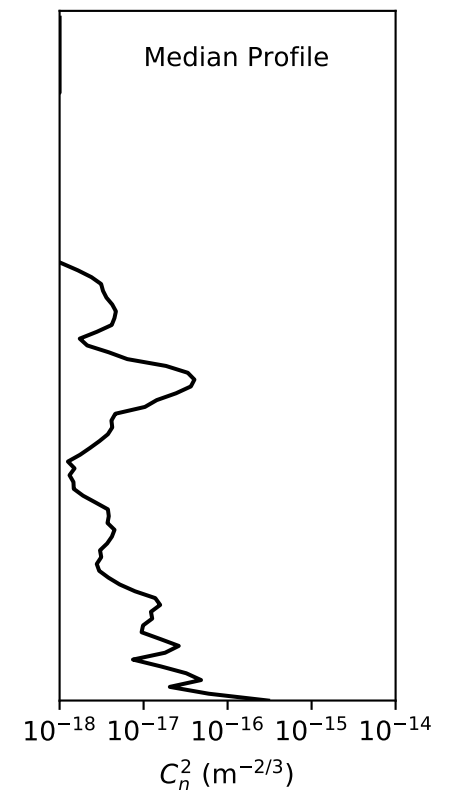
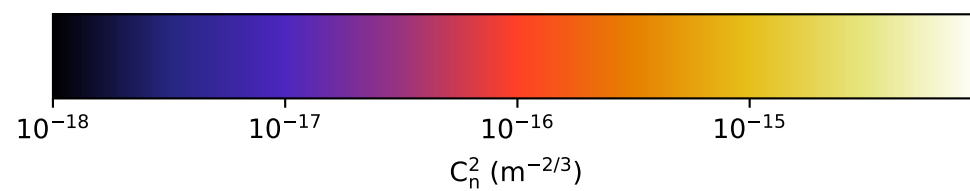
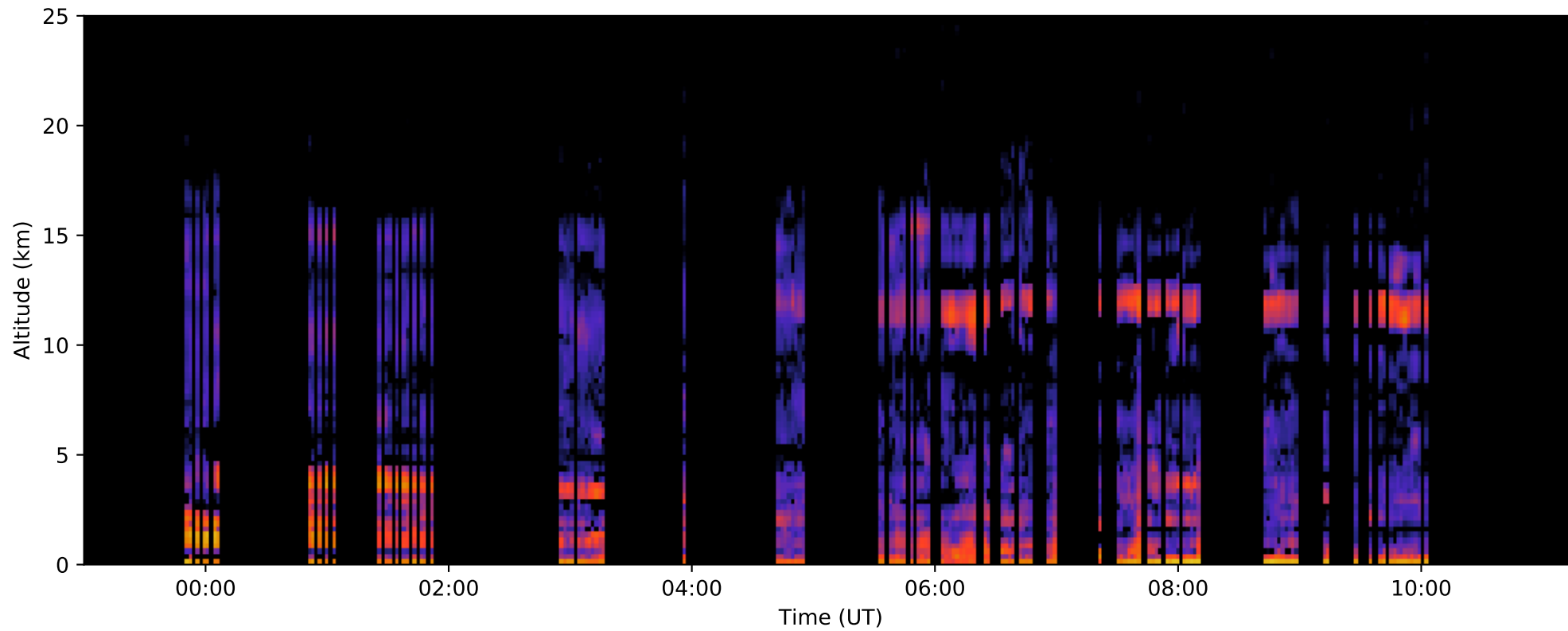


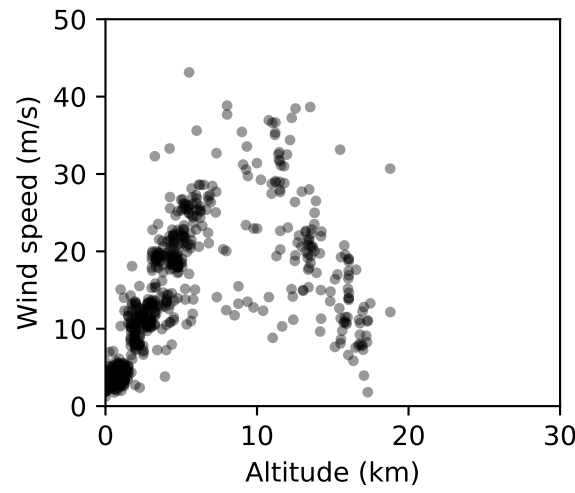
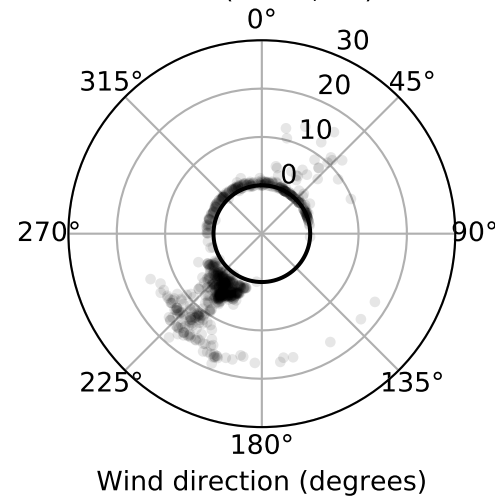
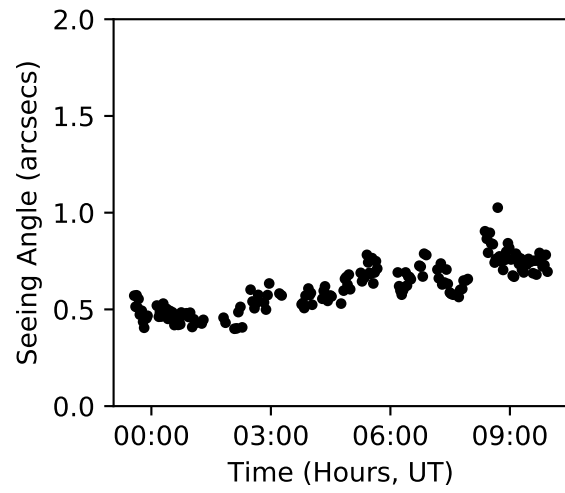
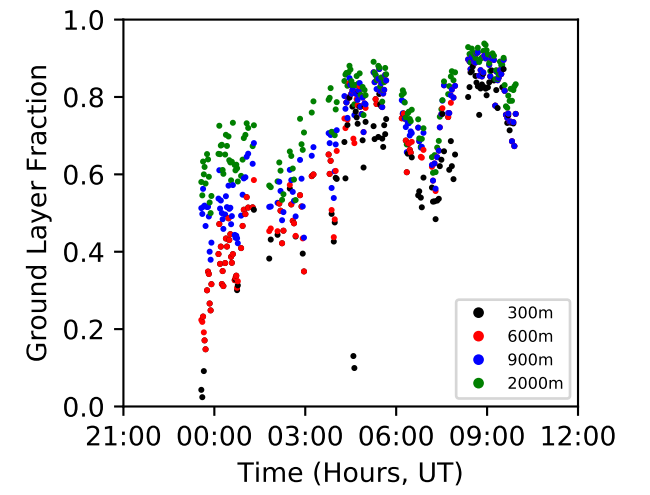
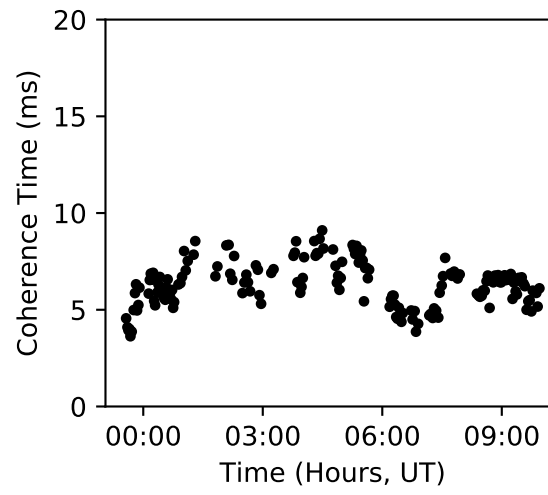
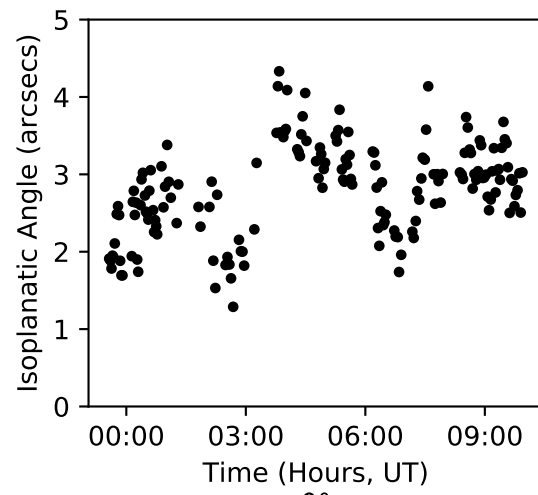
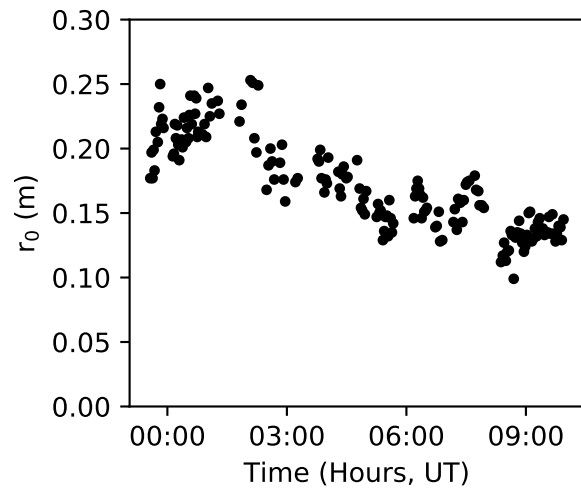
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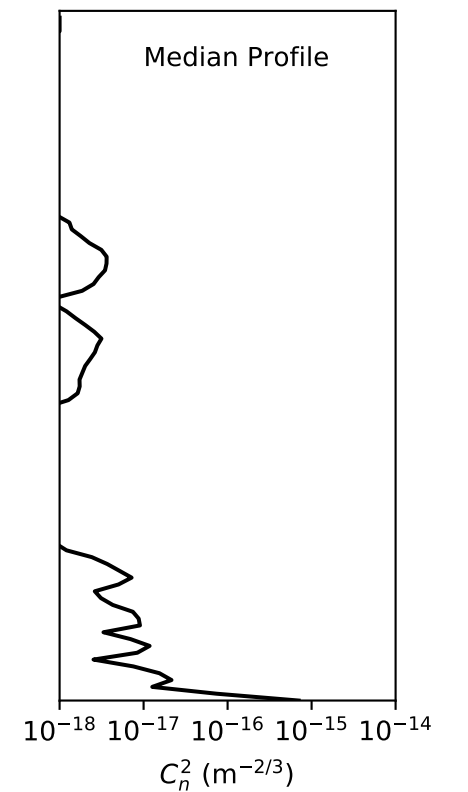
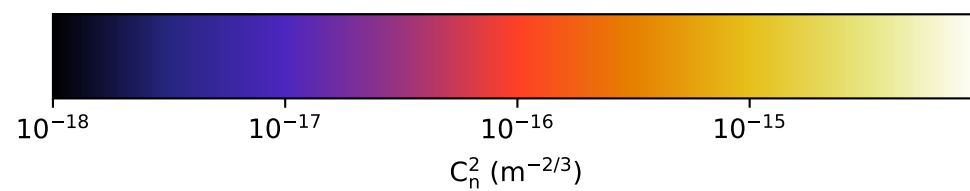
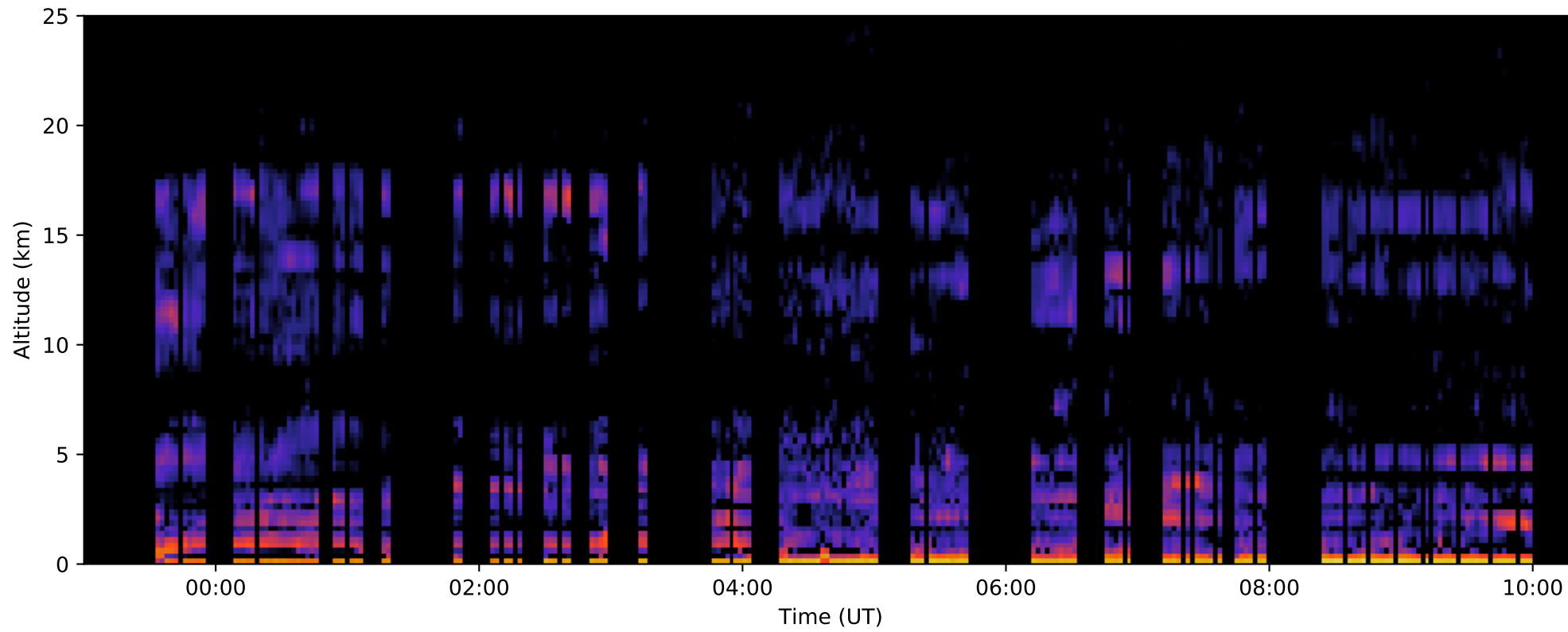


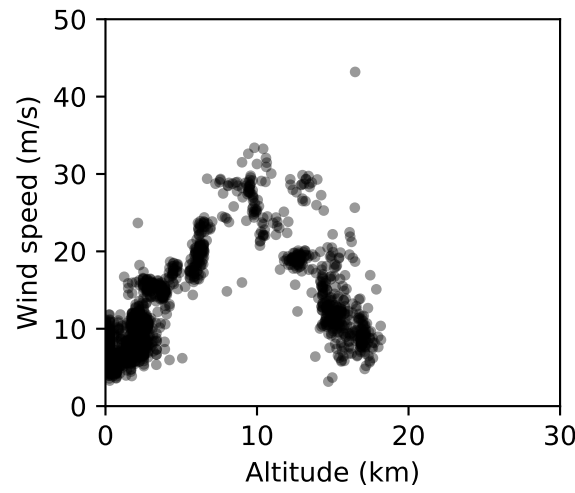
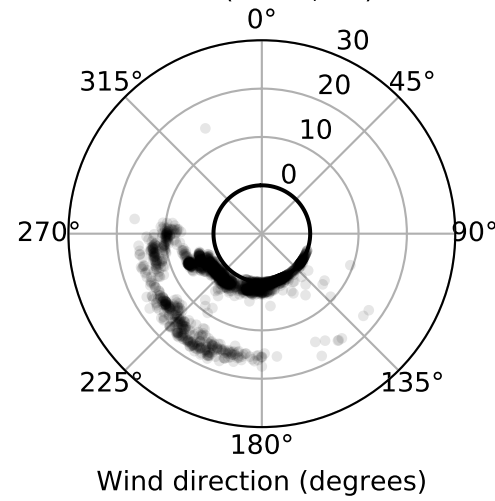
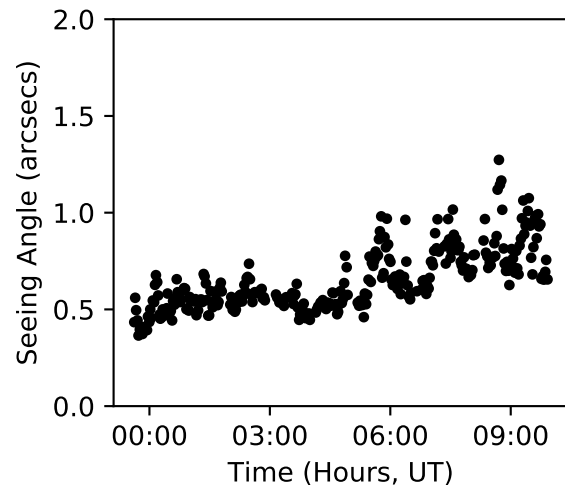
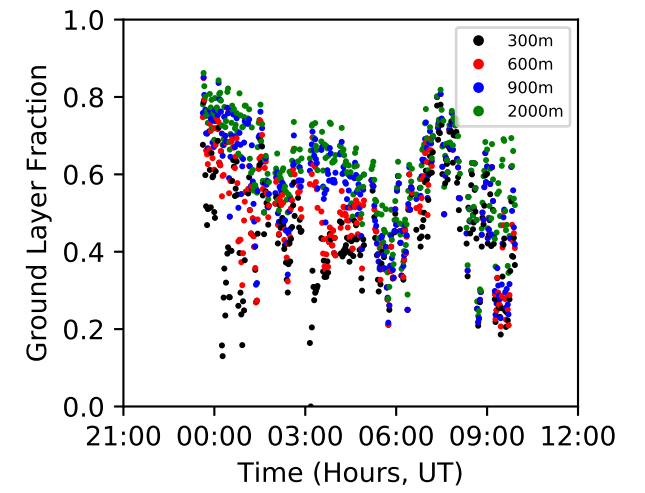
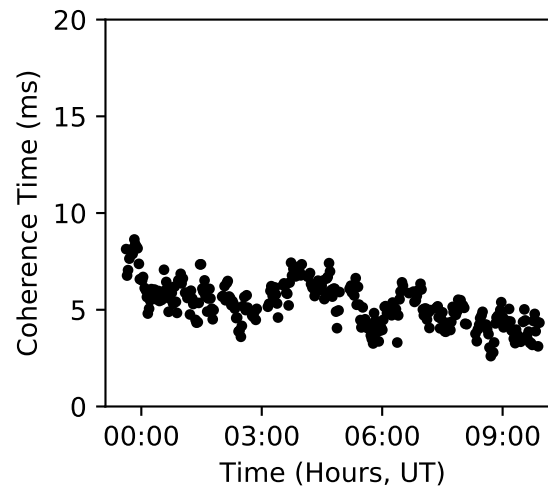
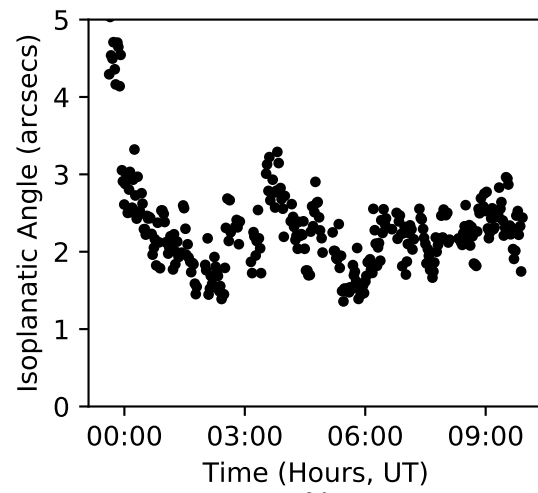
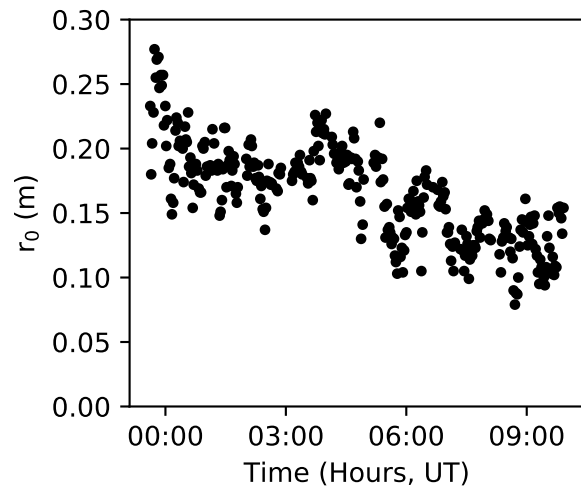
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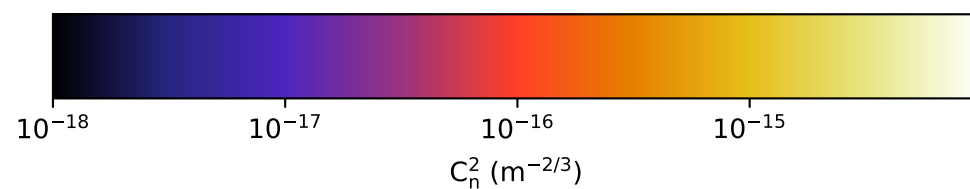
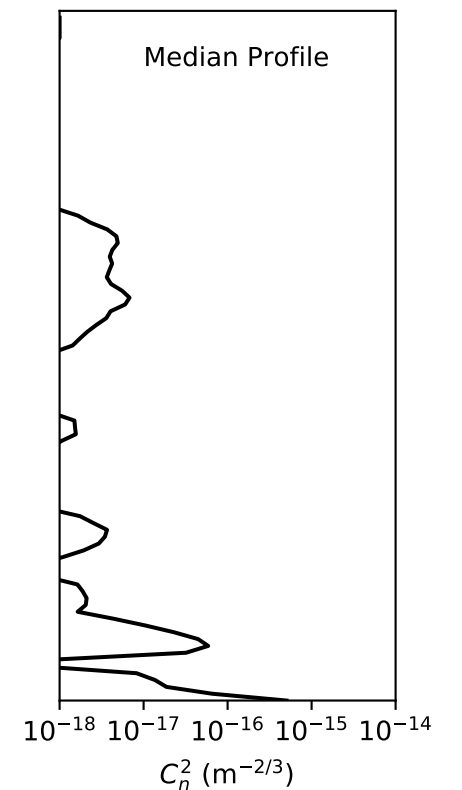
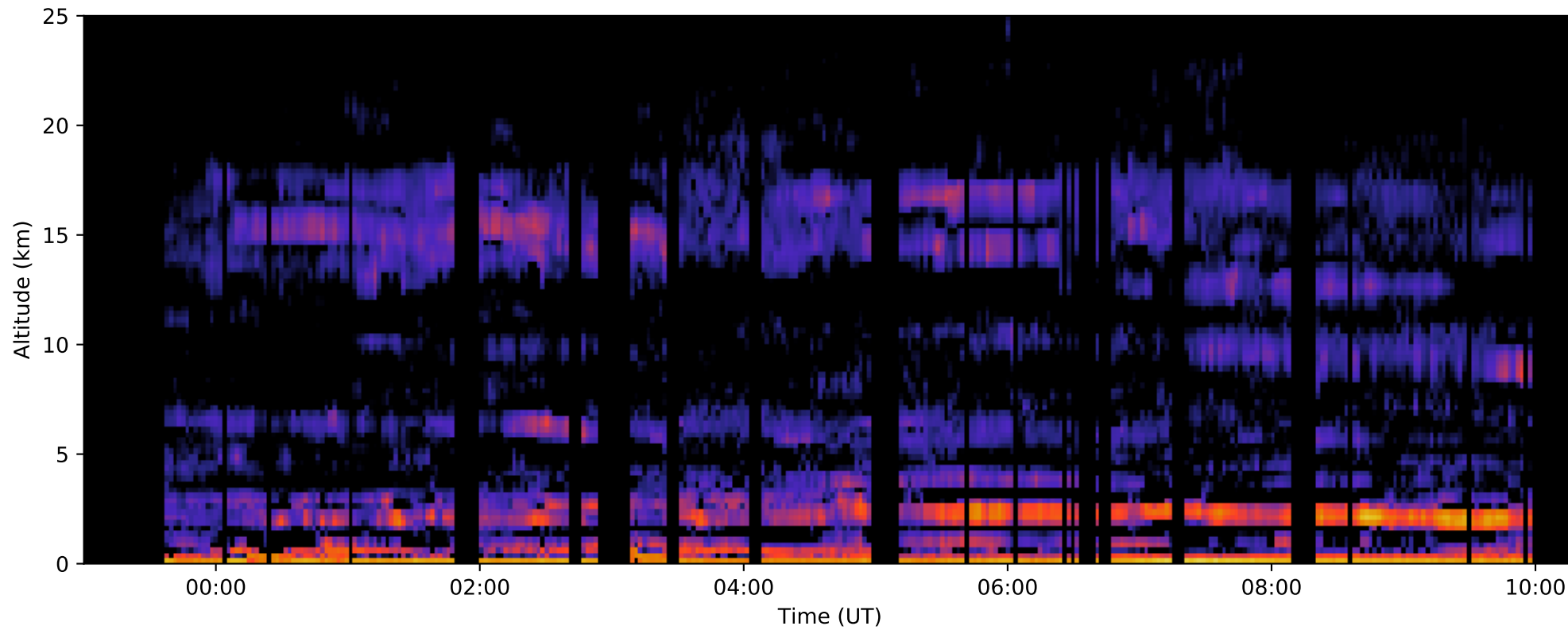


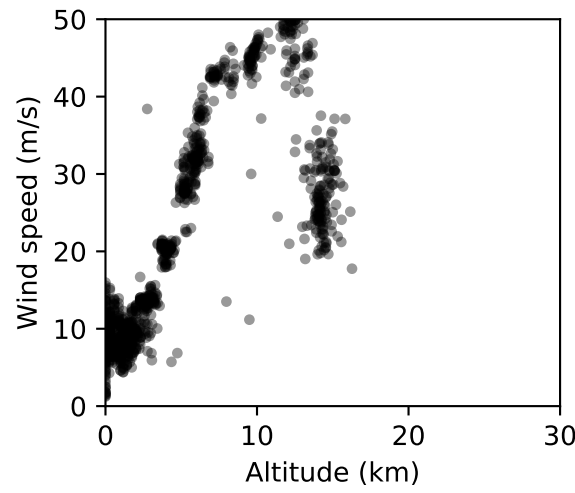
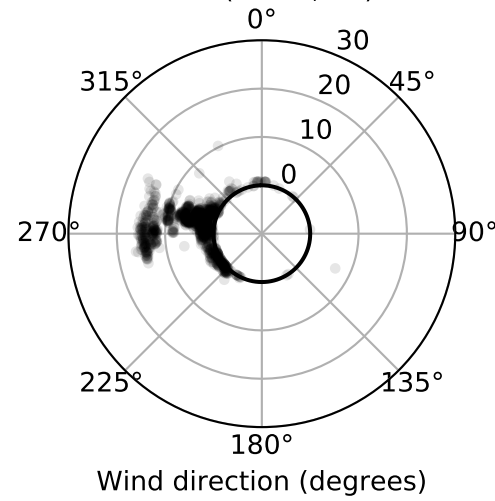
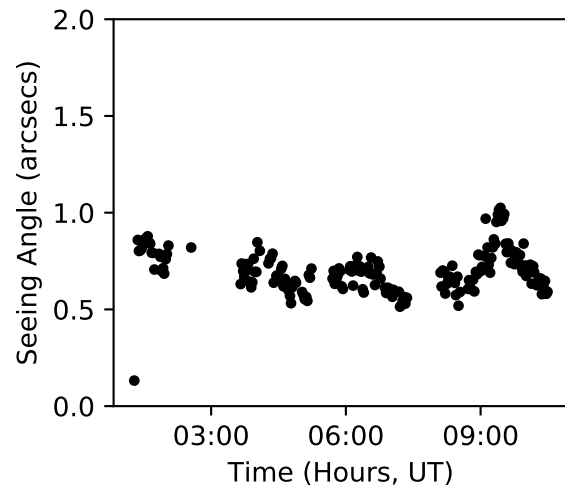
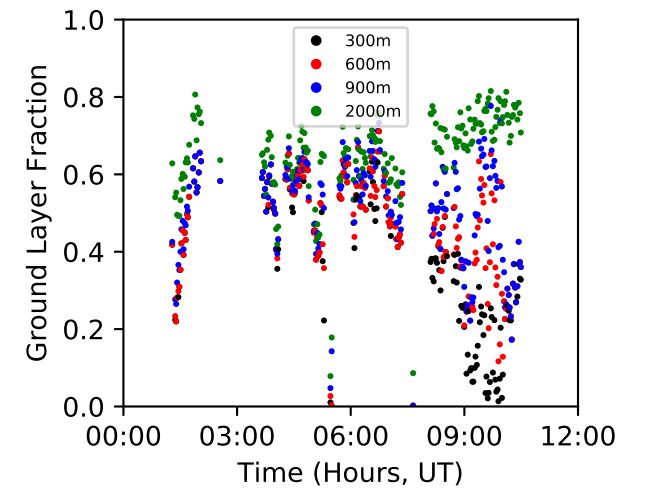
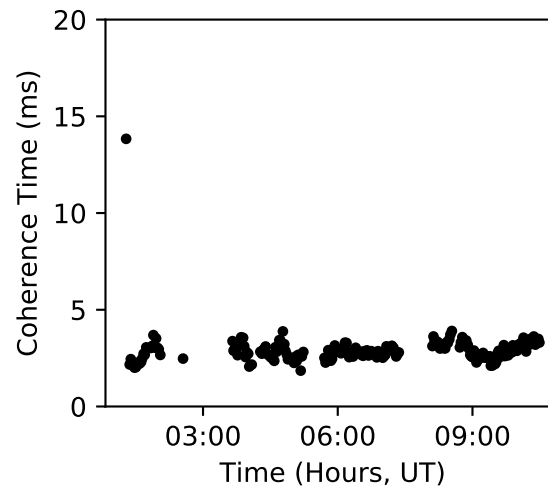
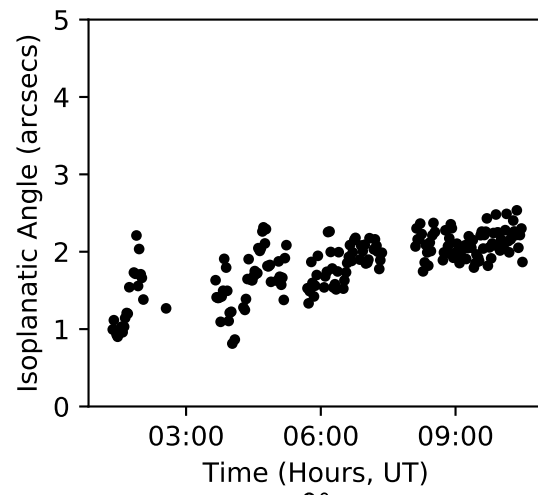
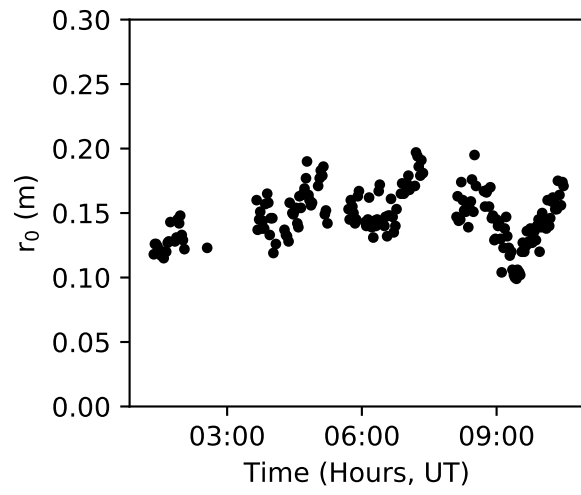
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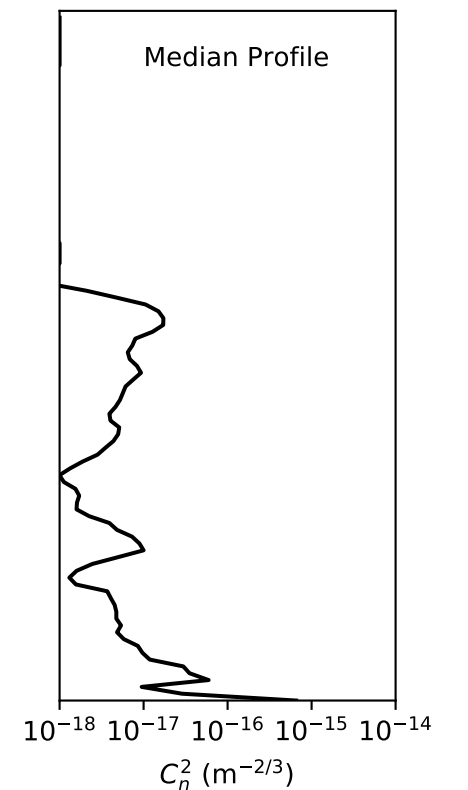
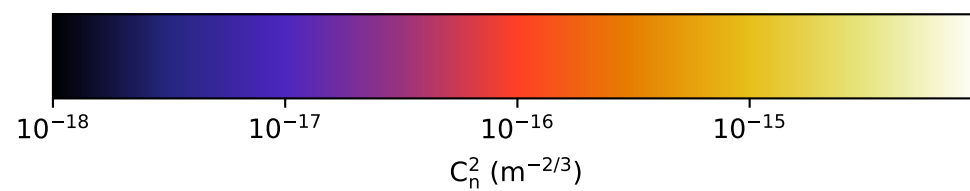
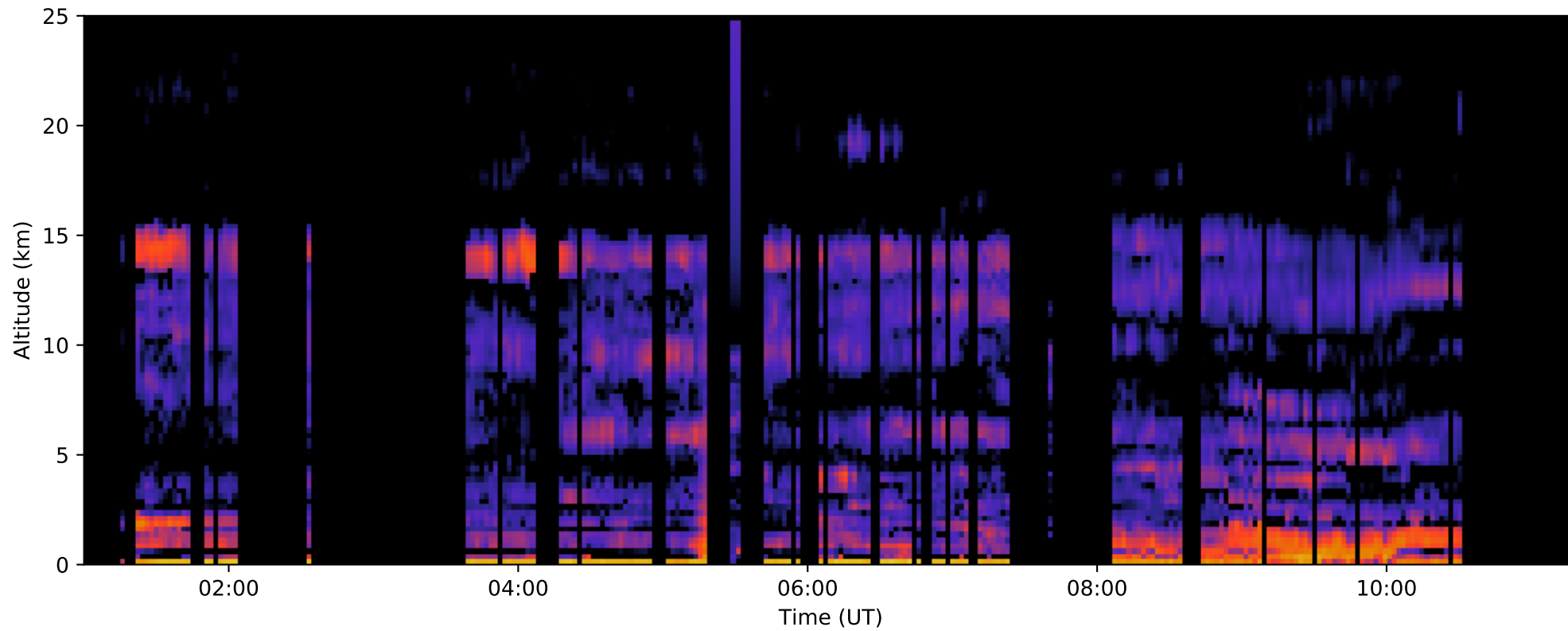


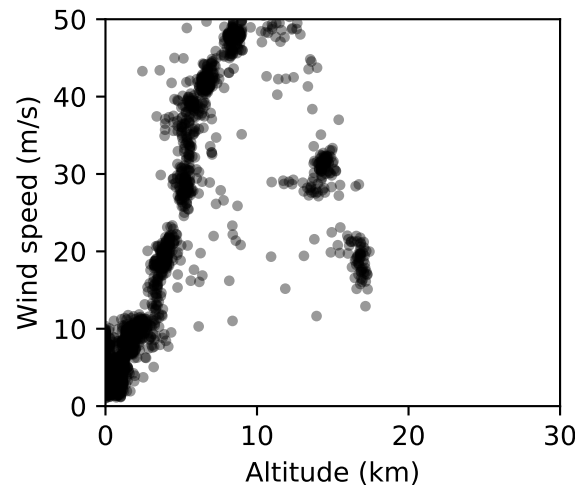
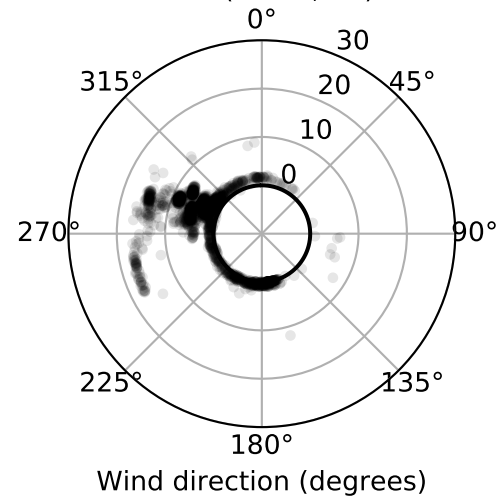
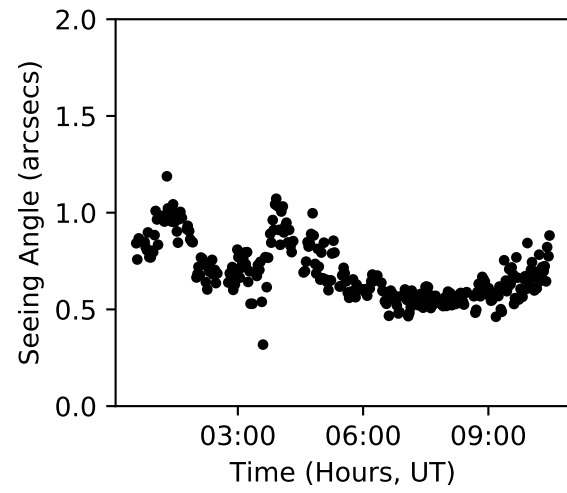
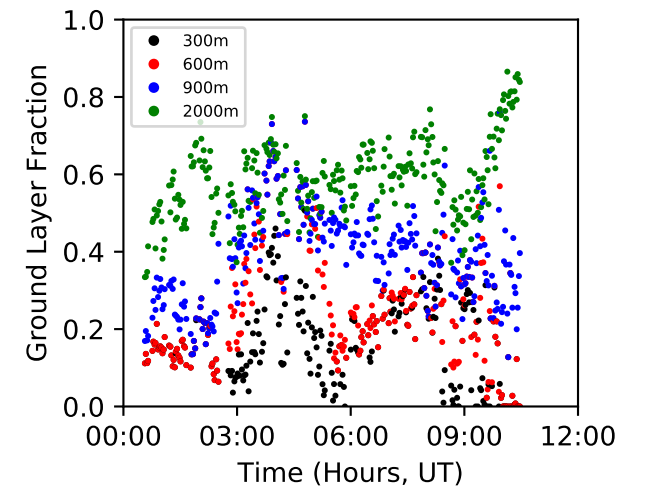
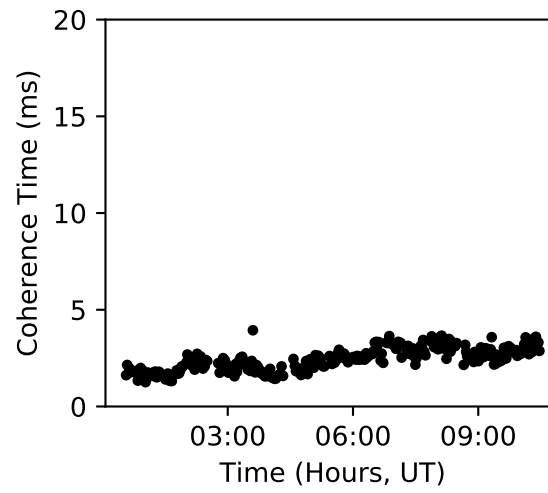
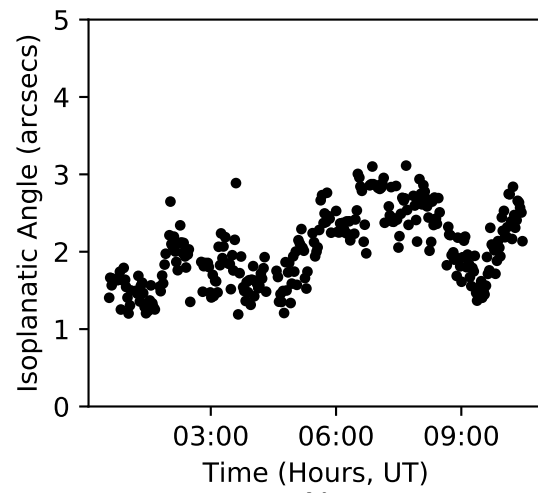
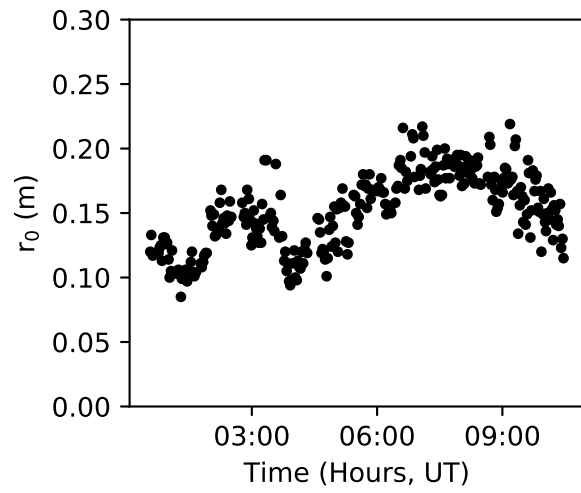
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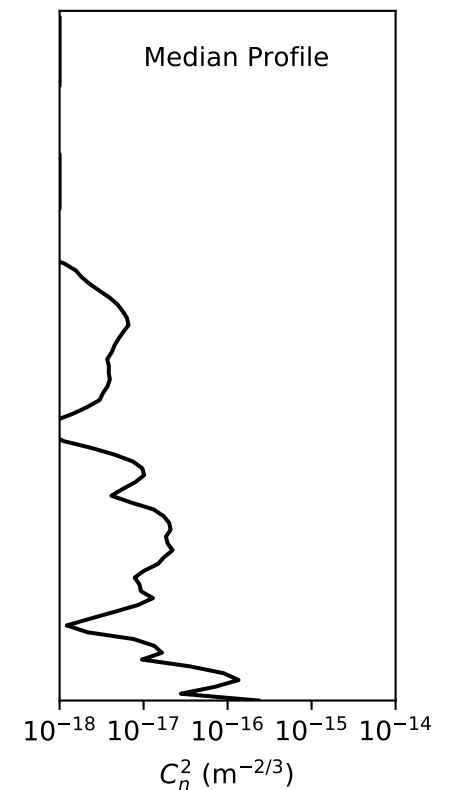
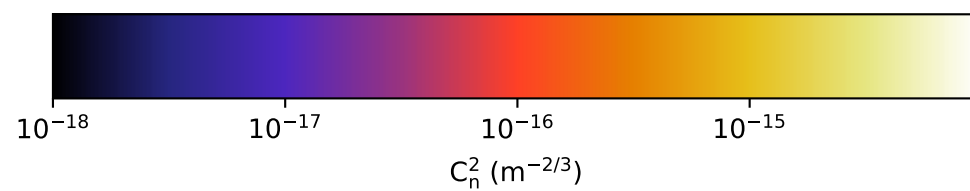
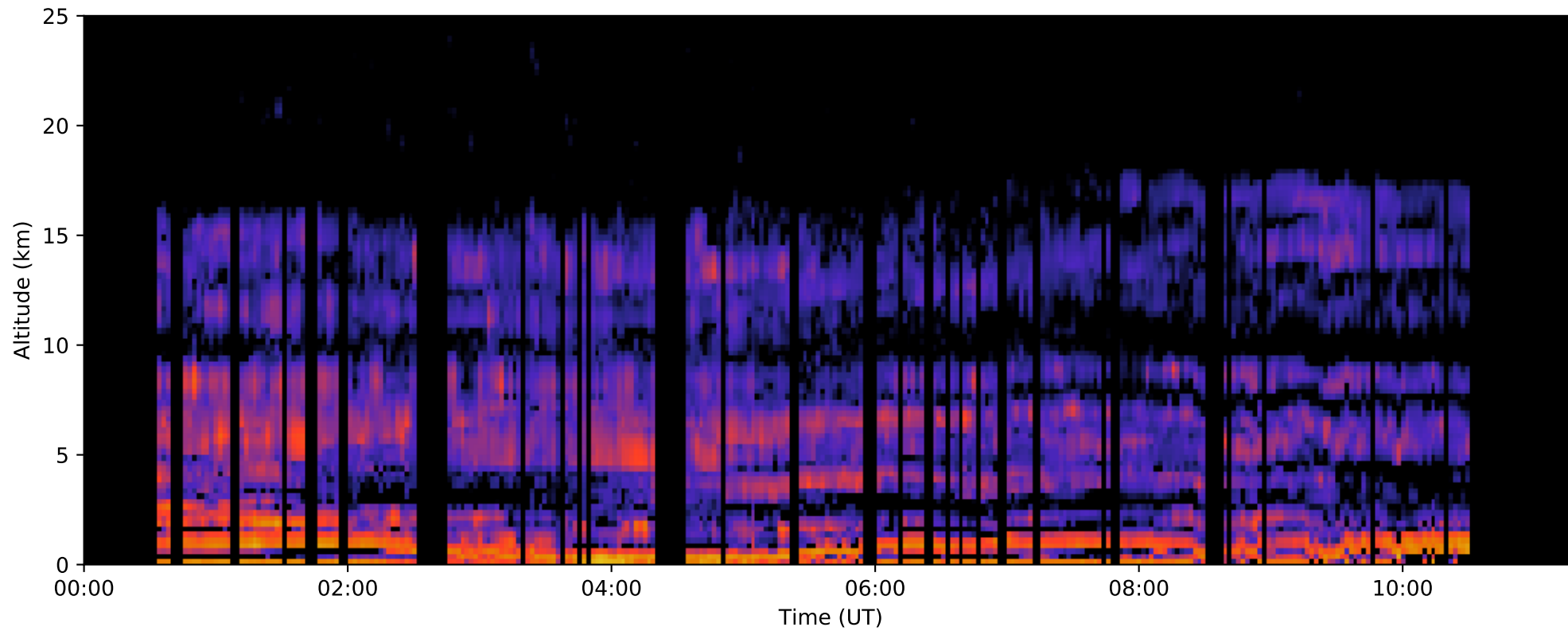


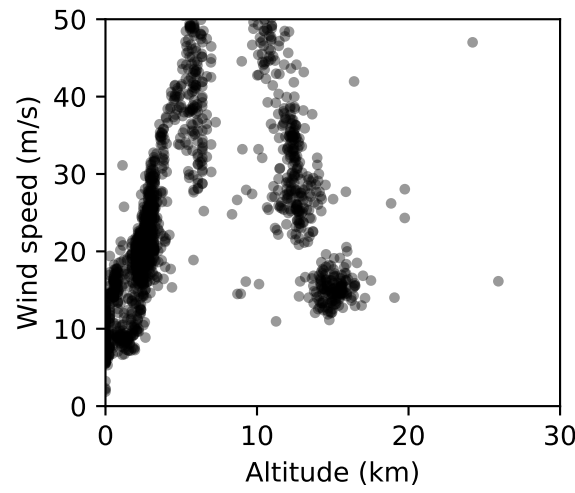
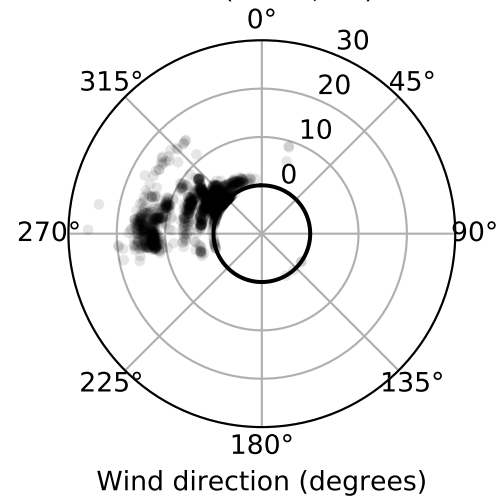
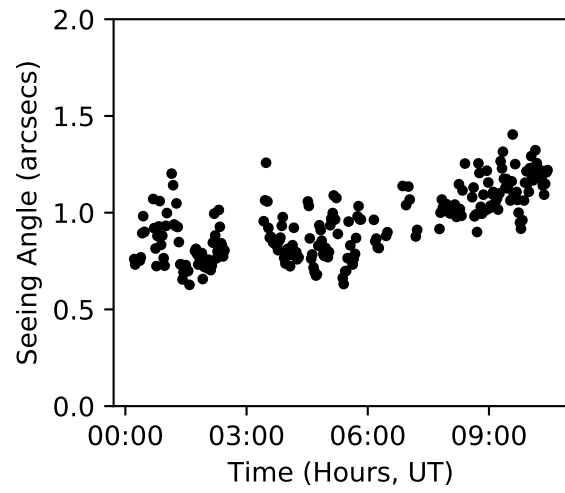
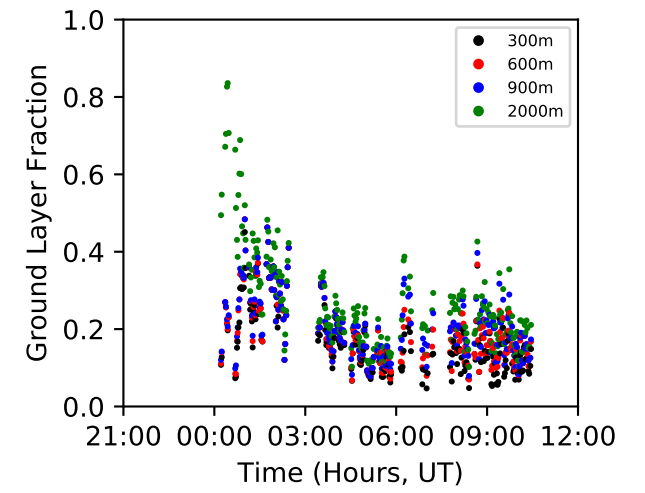
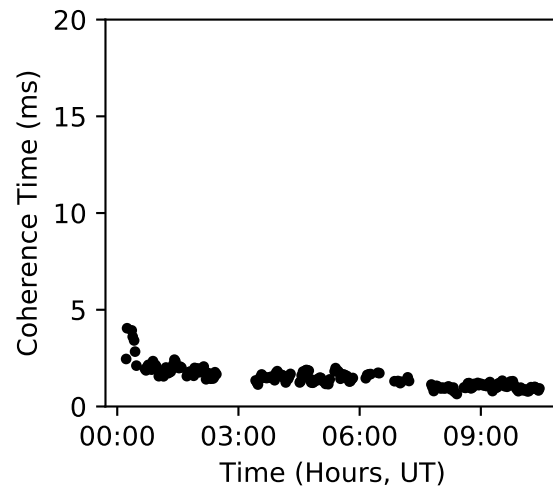
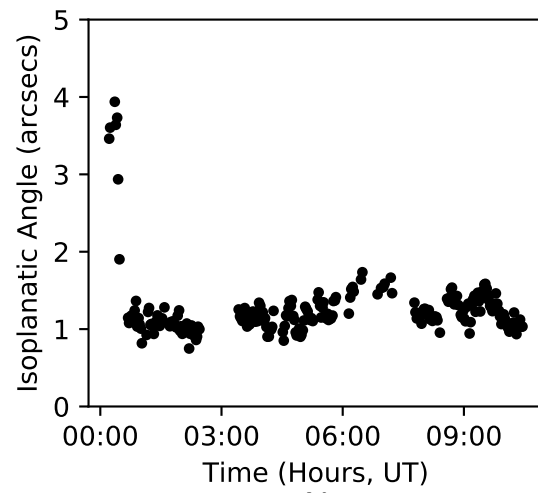
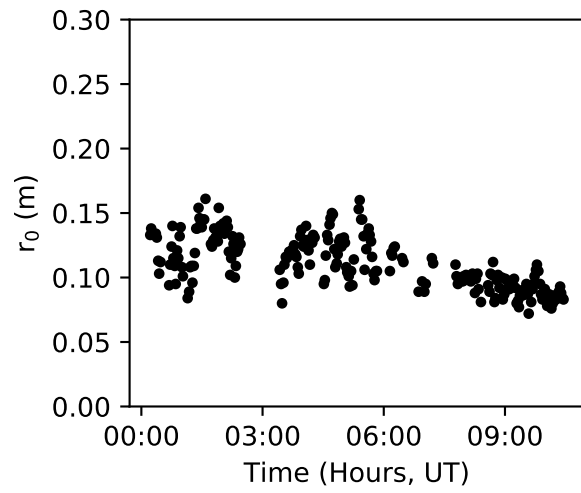
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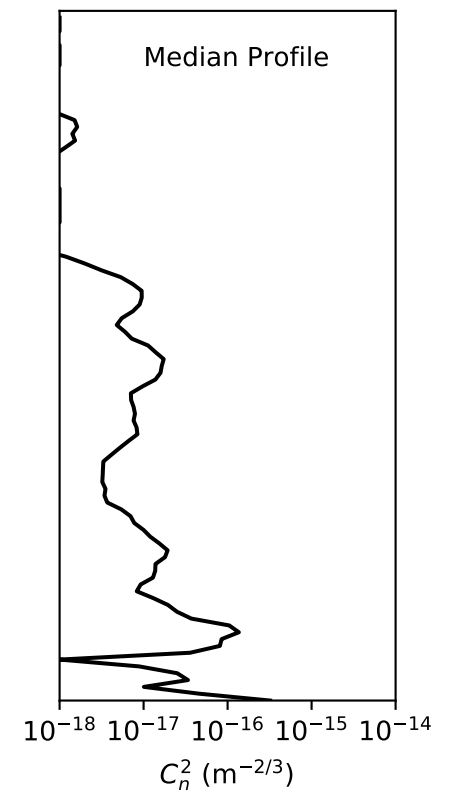
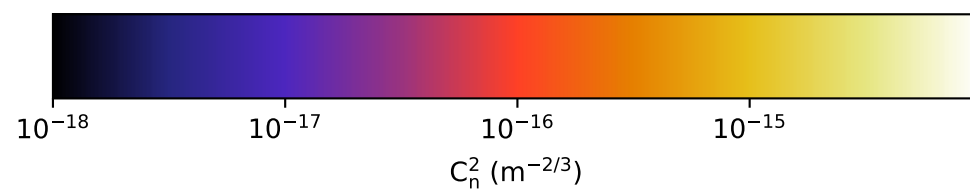
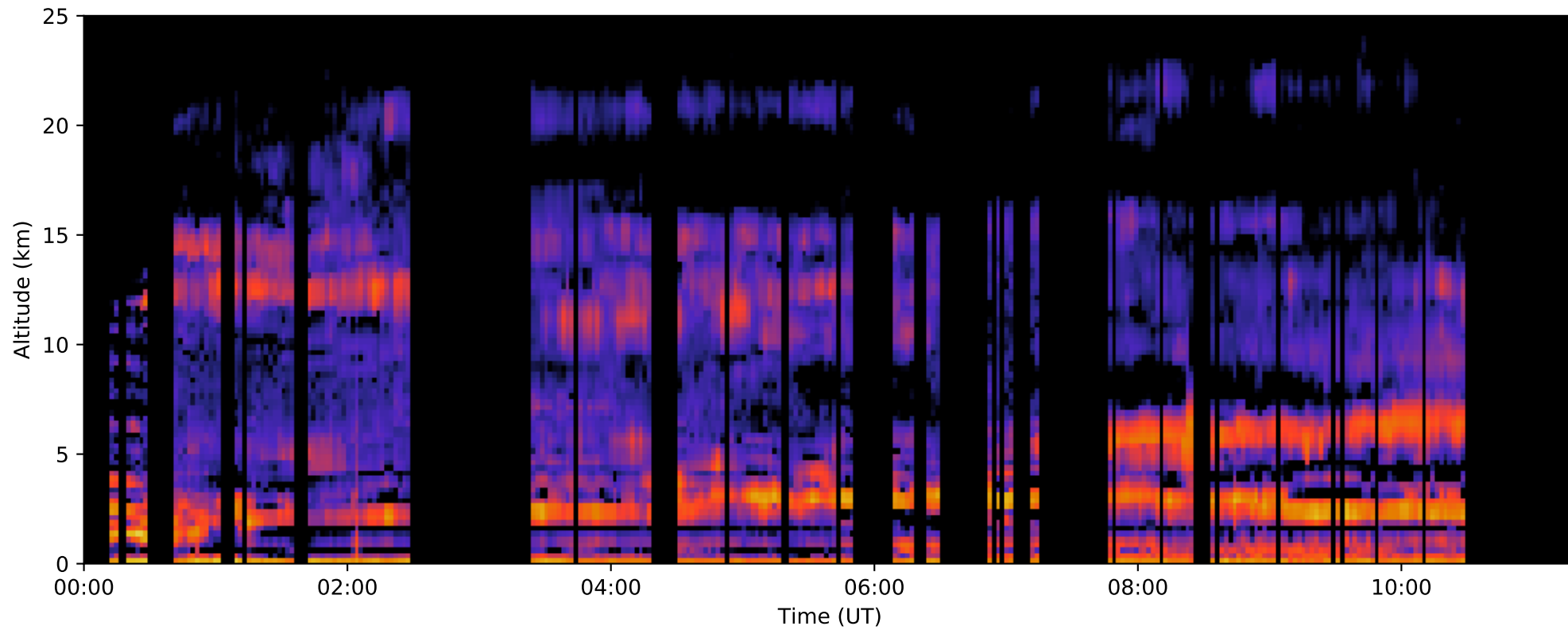


### 2016/07/23

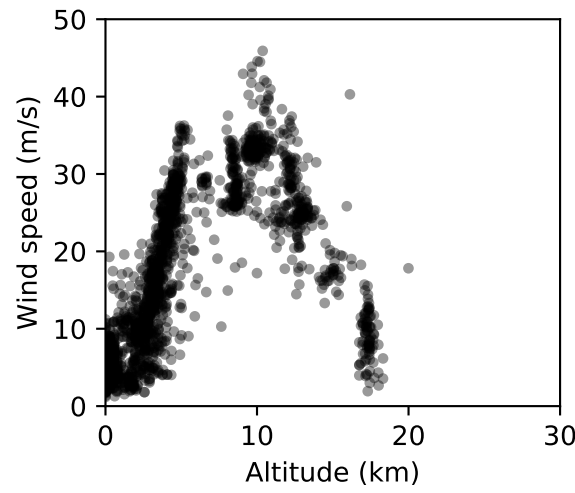
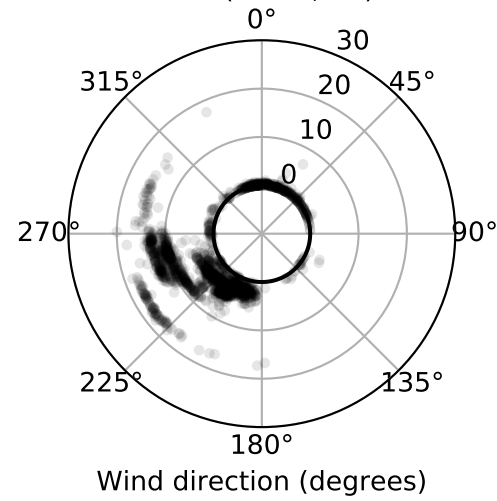
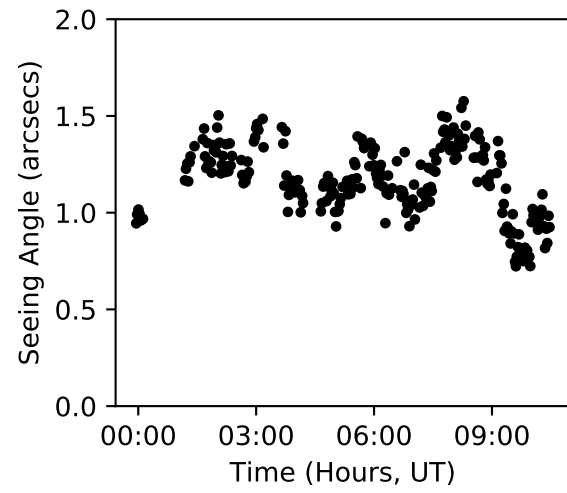
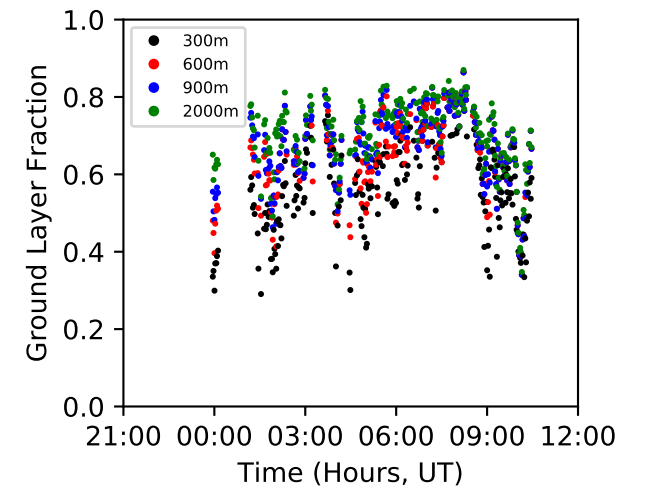
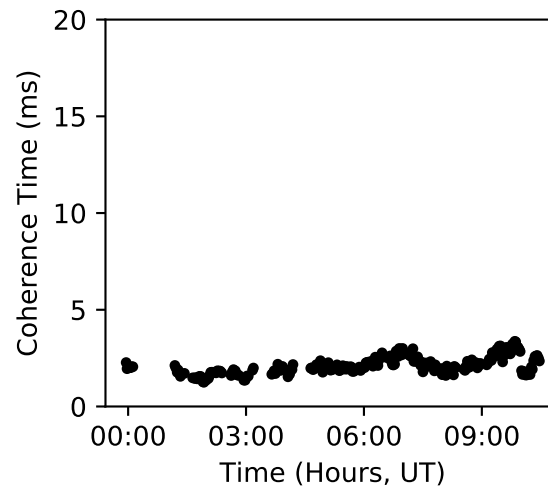
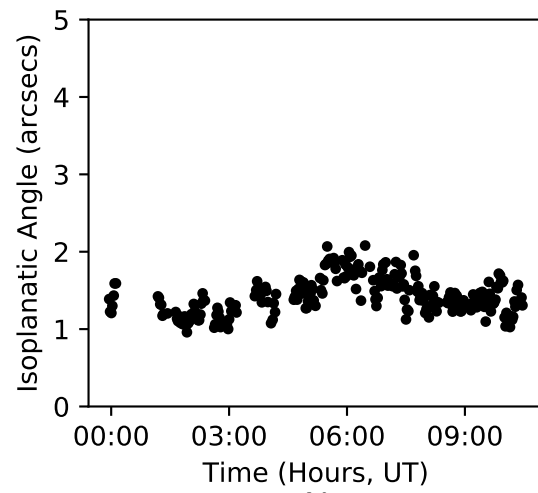
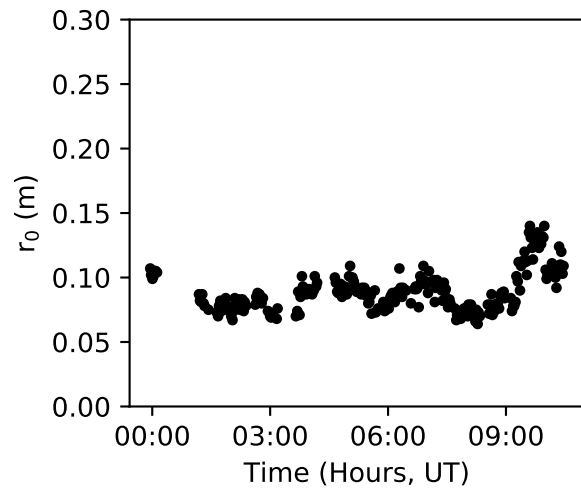




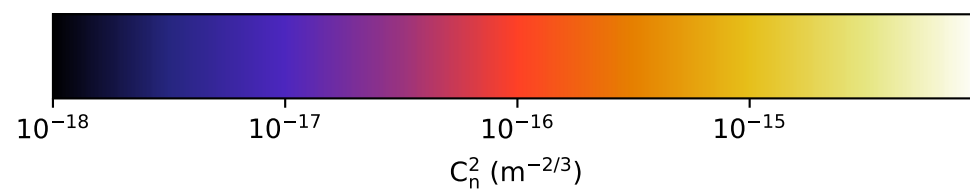
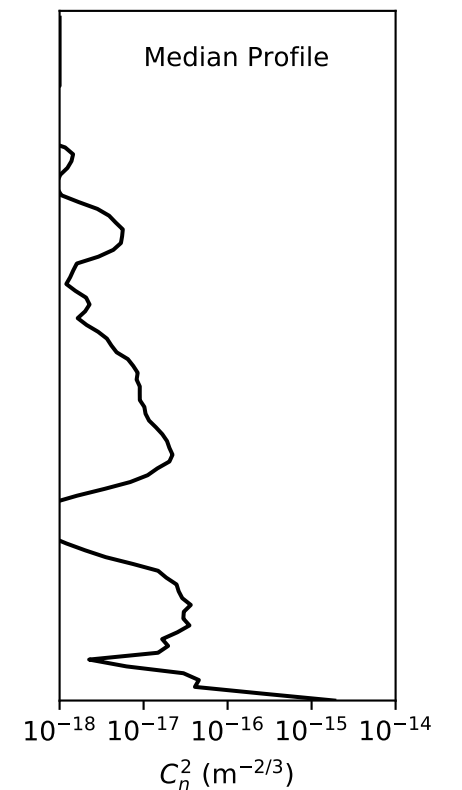
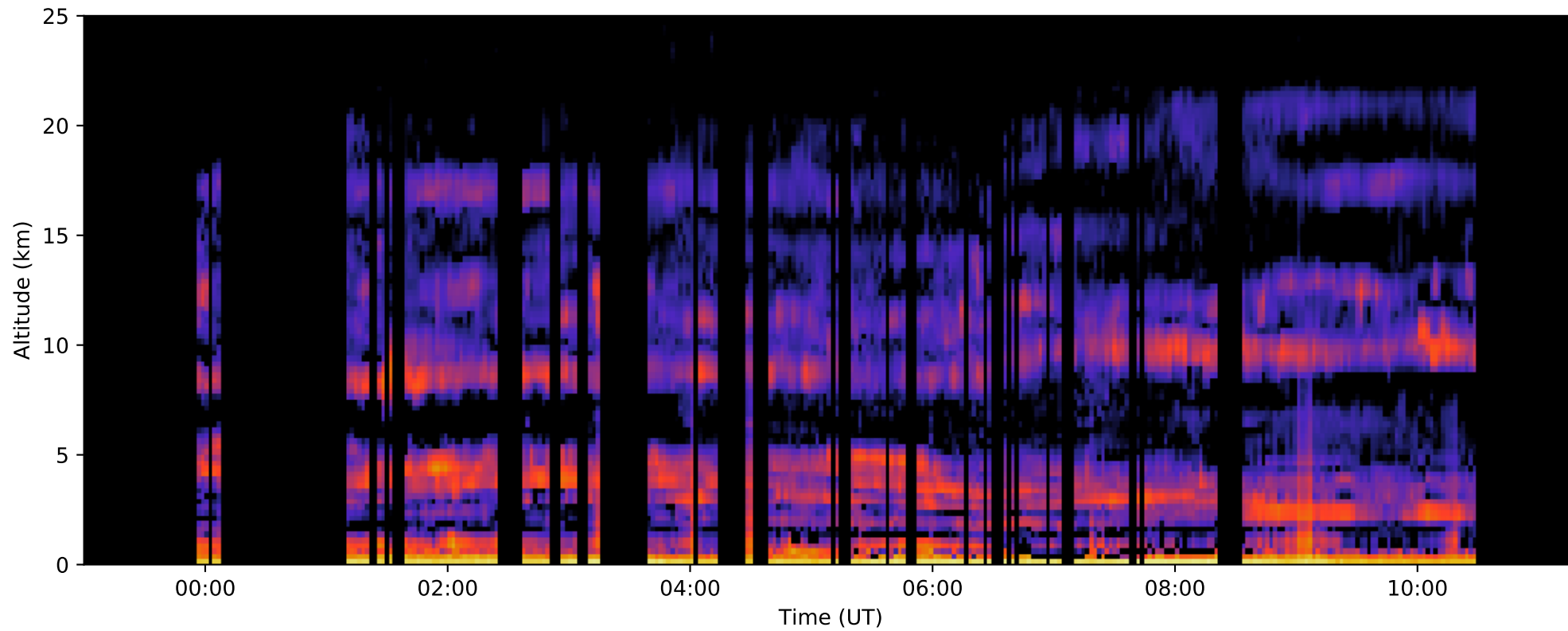
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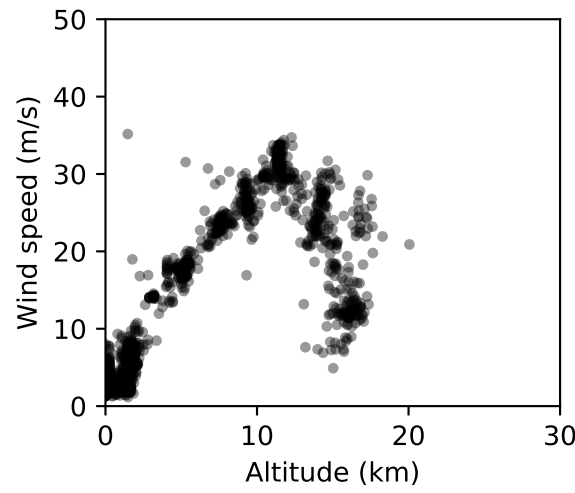
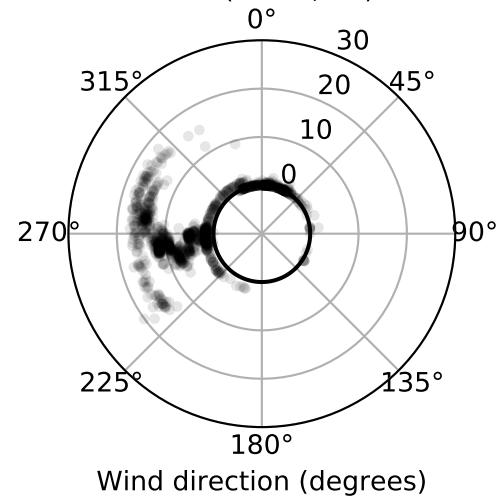
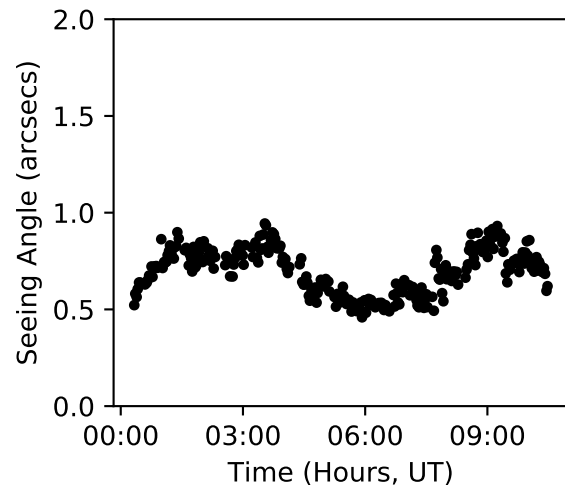
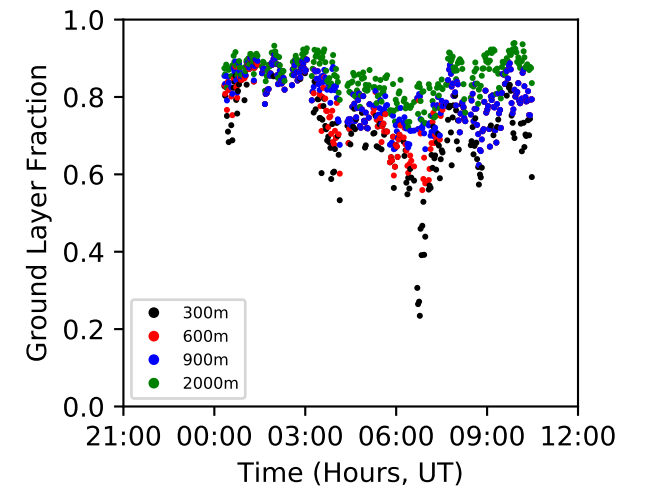
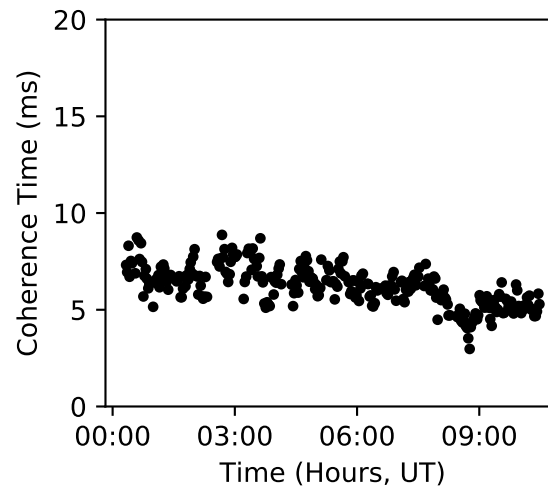
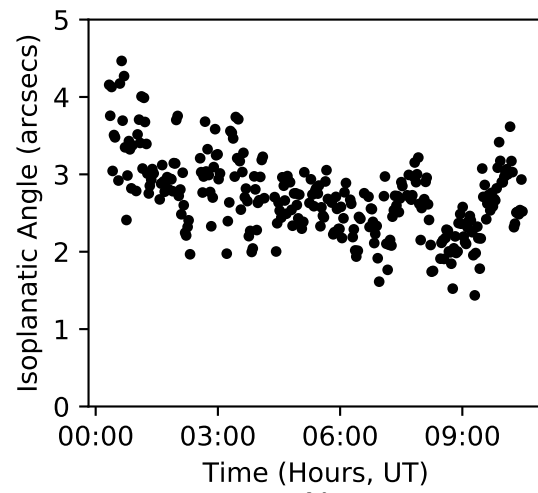
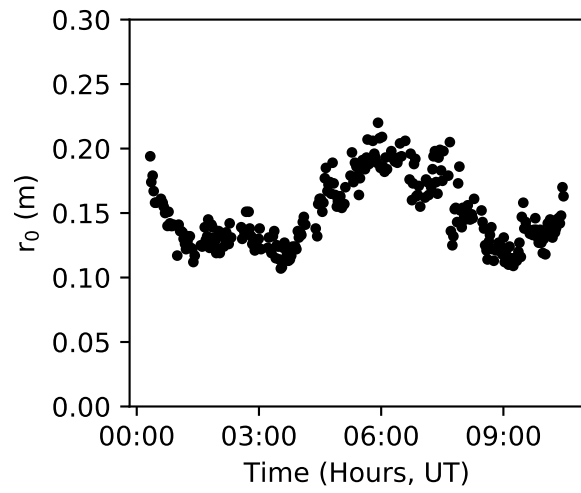




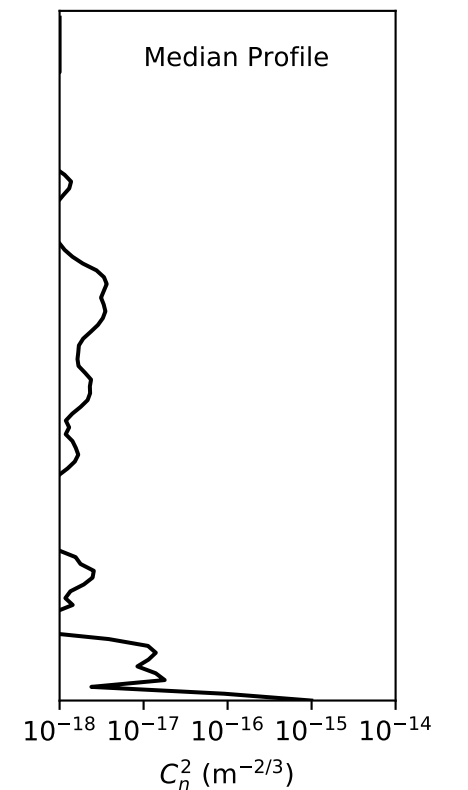
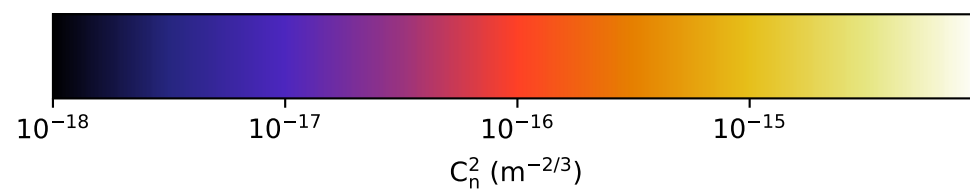
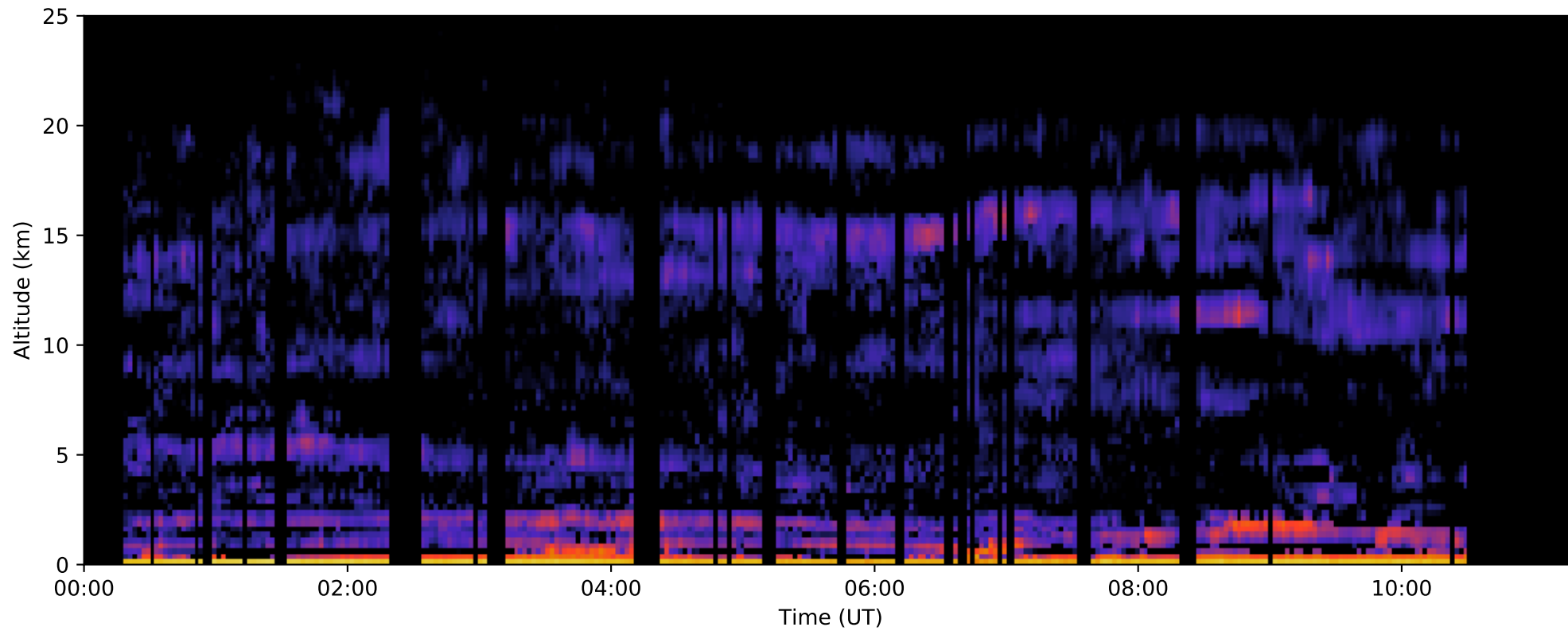


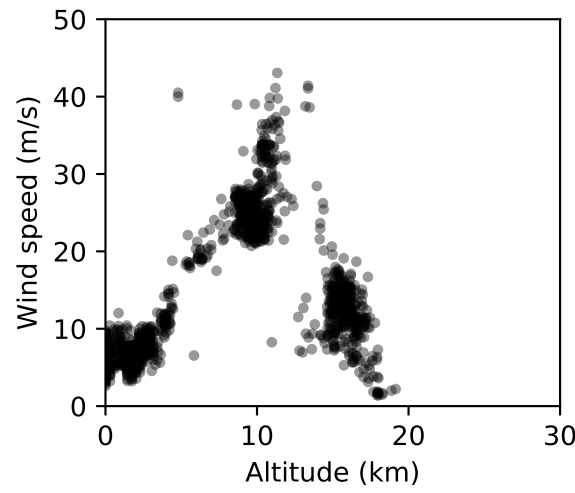
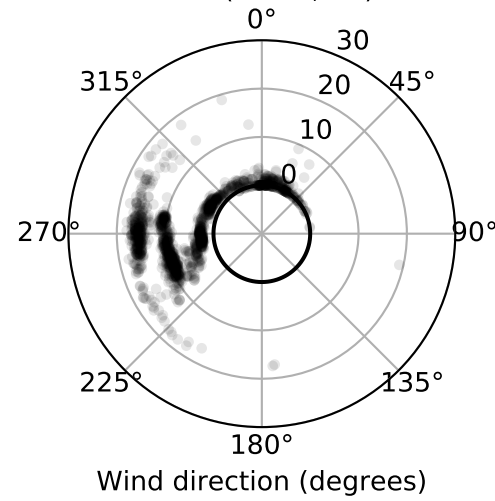
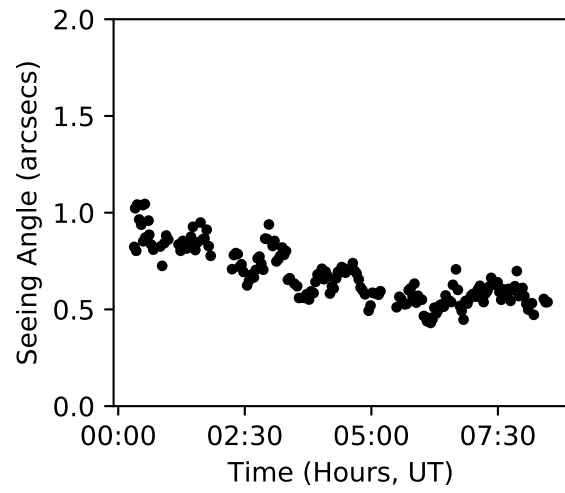
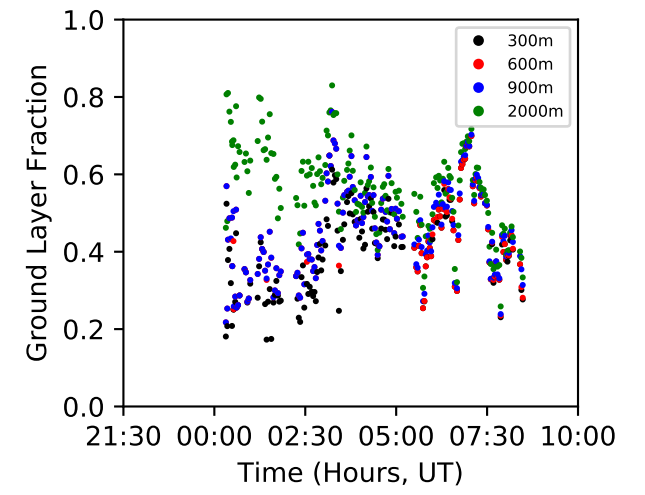
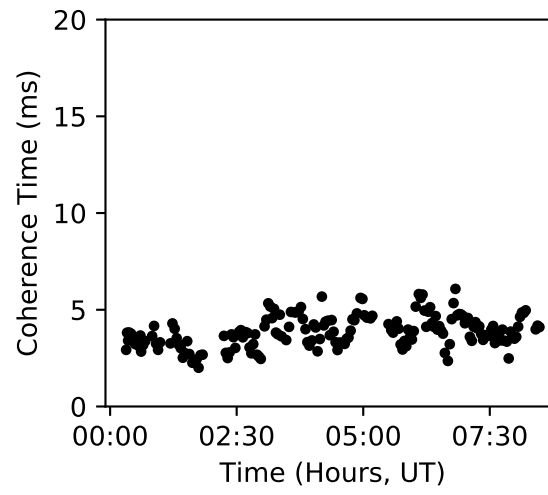
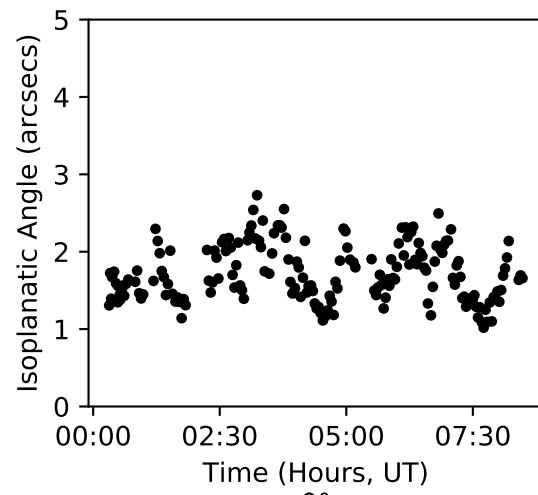
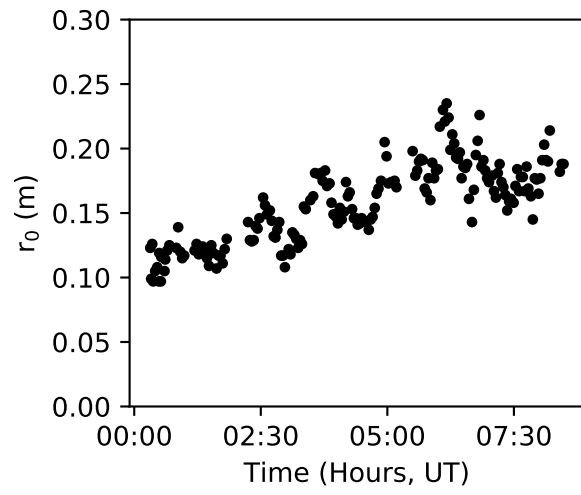
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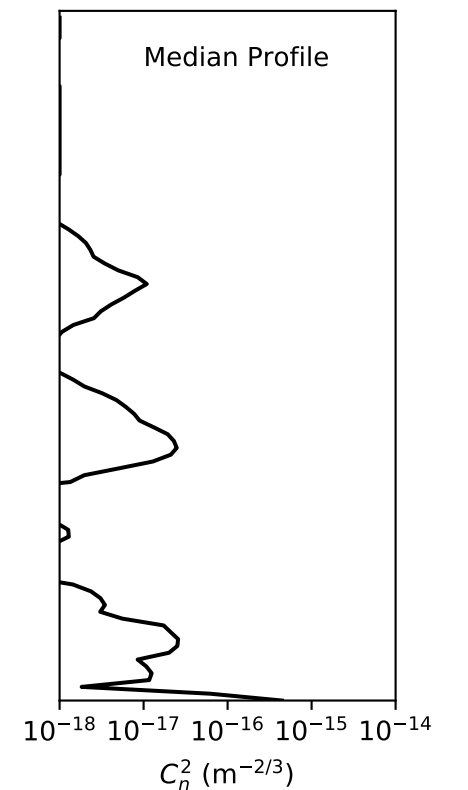
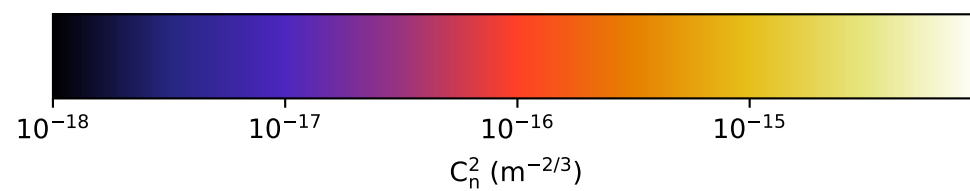
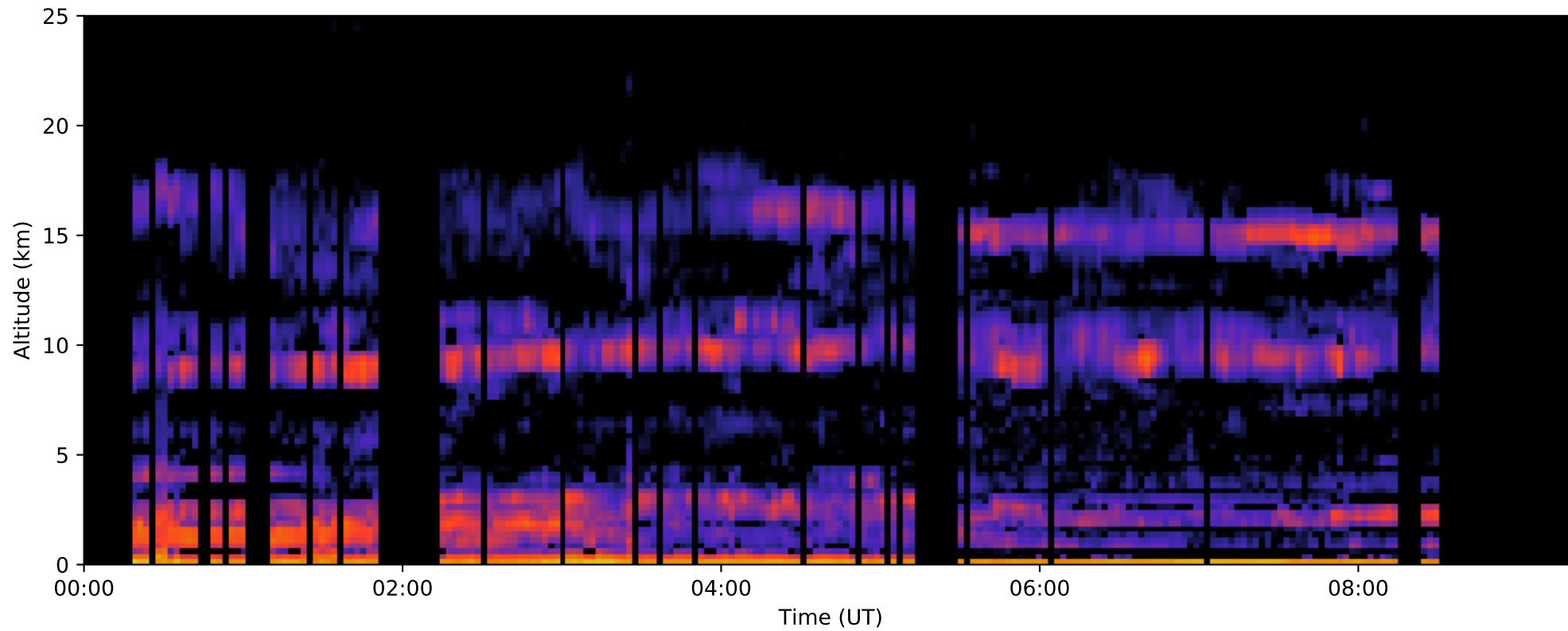


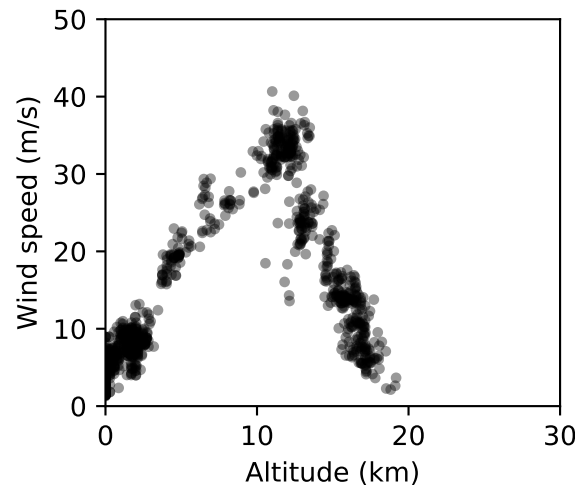
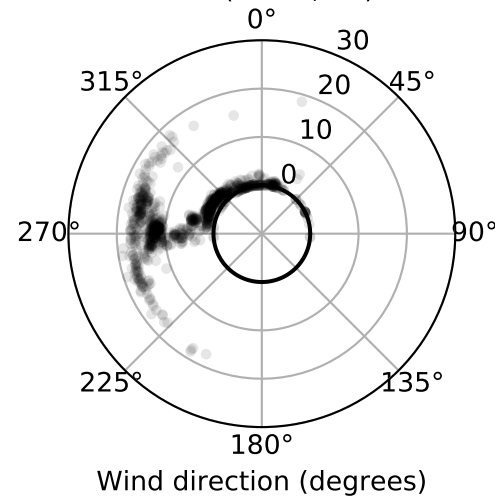
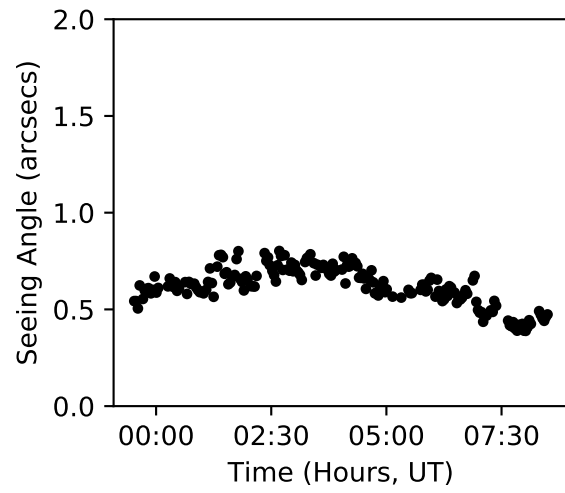
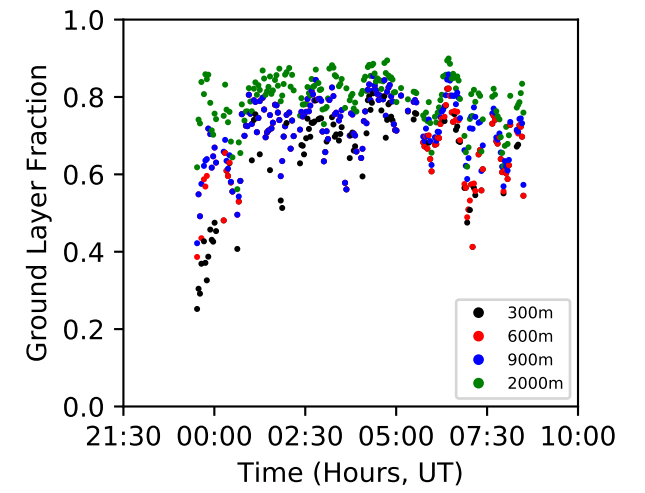
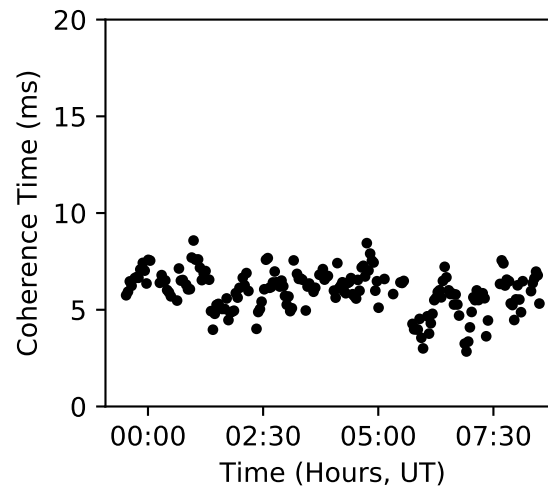
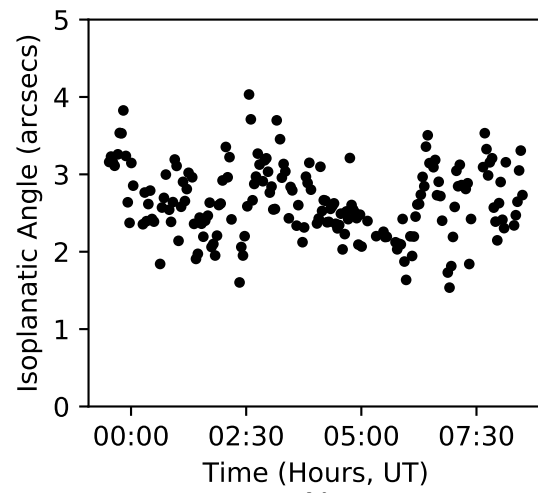
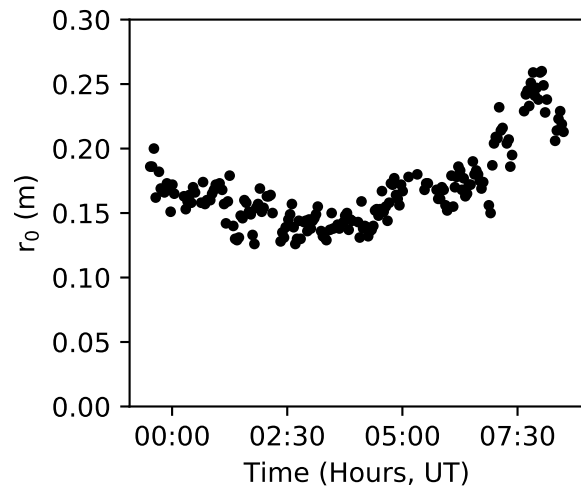
### 2016/07/26



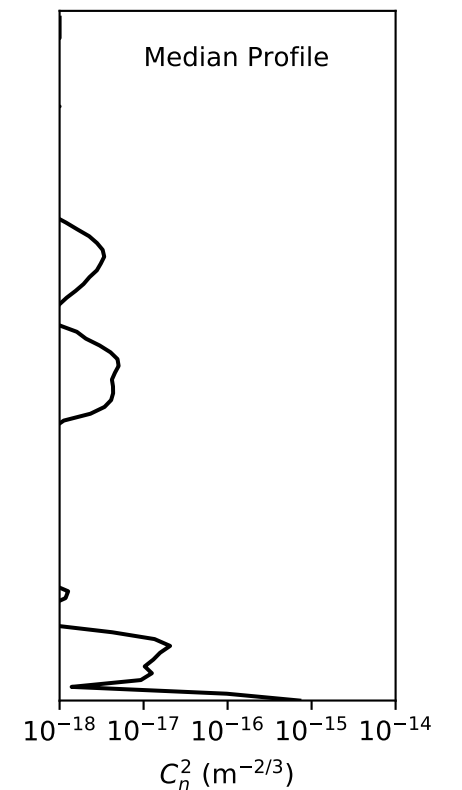
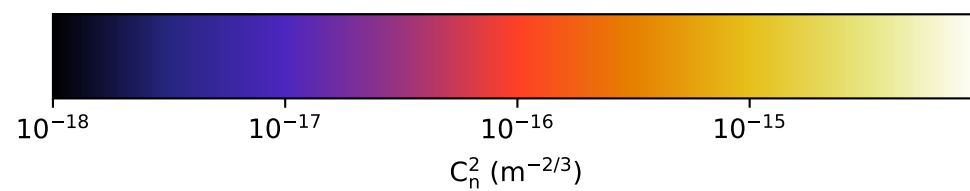
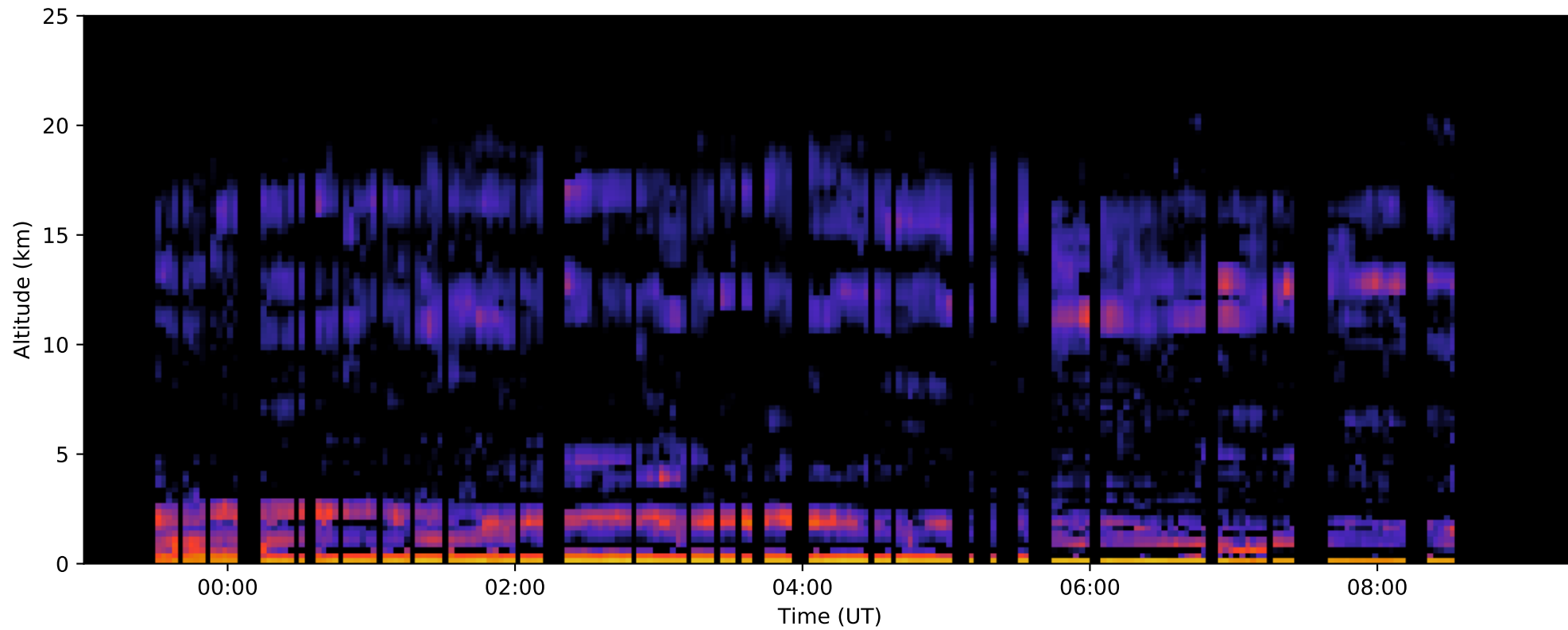


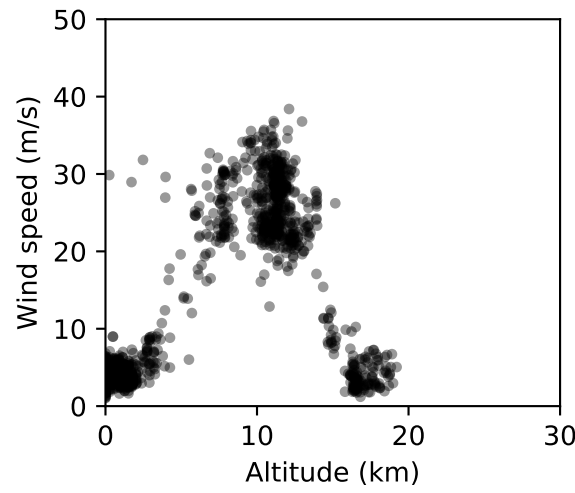
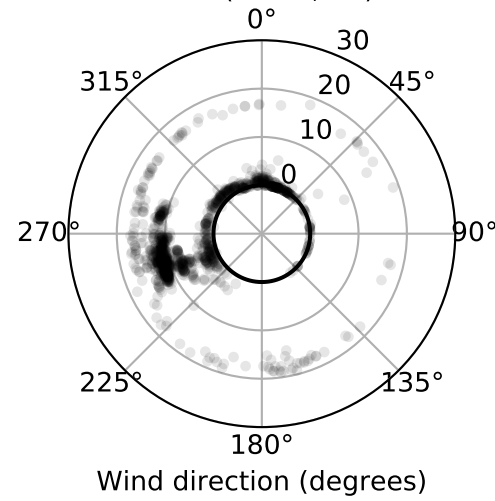
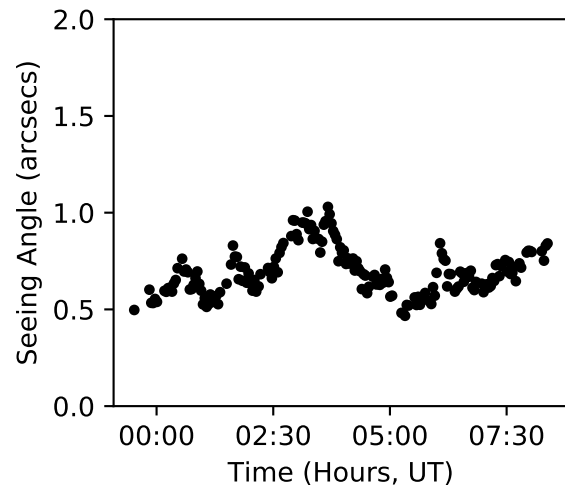
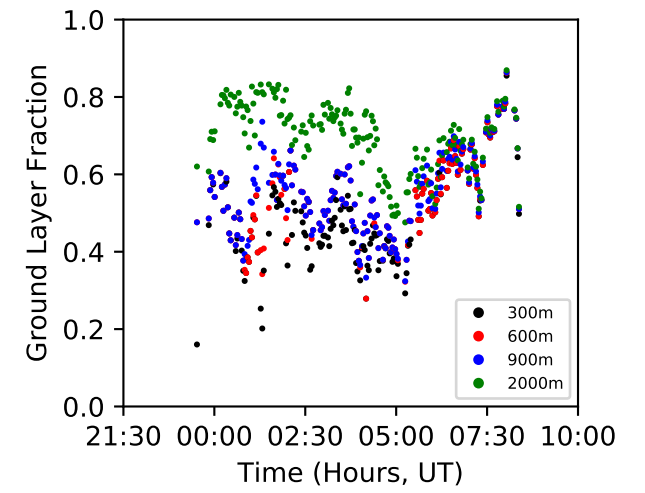
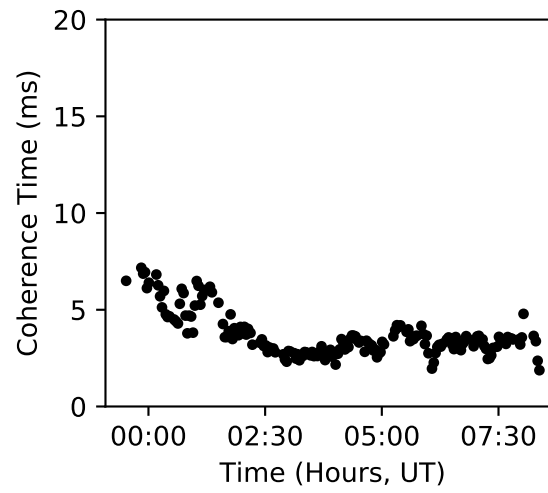
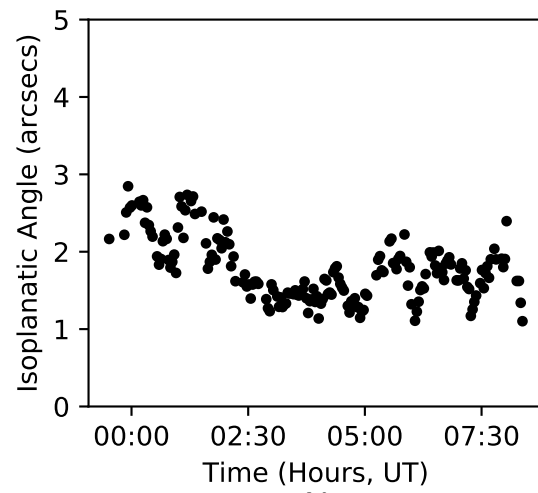
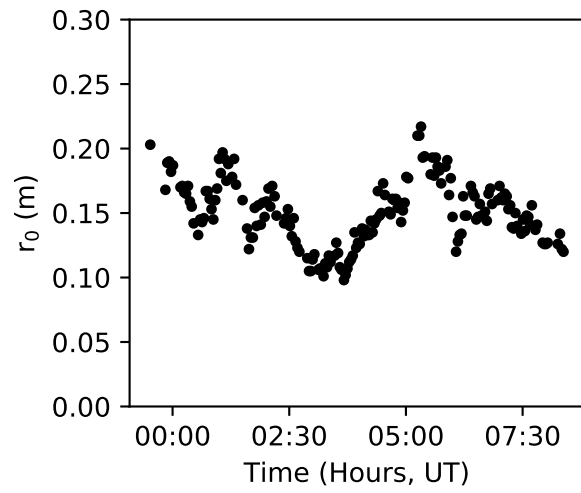
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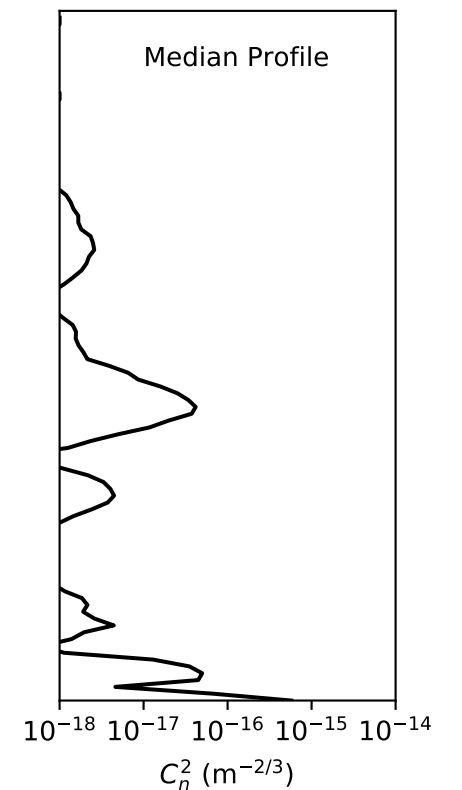
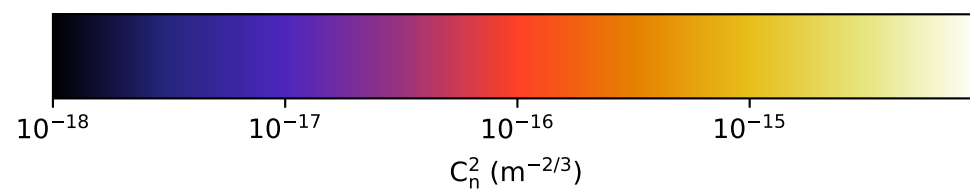
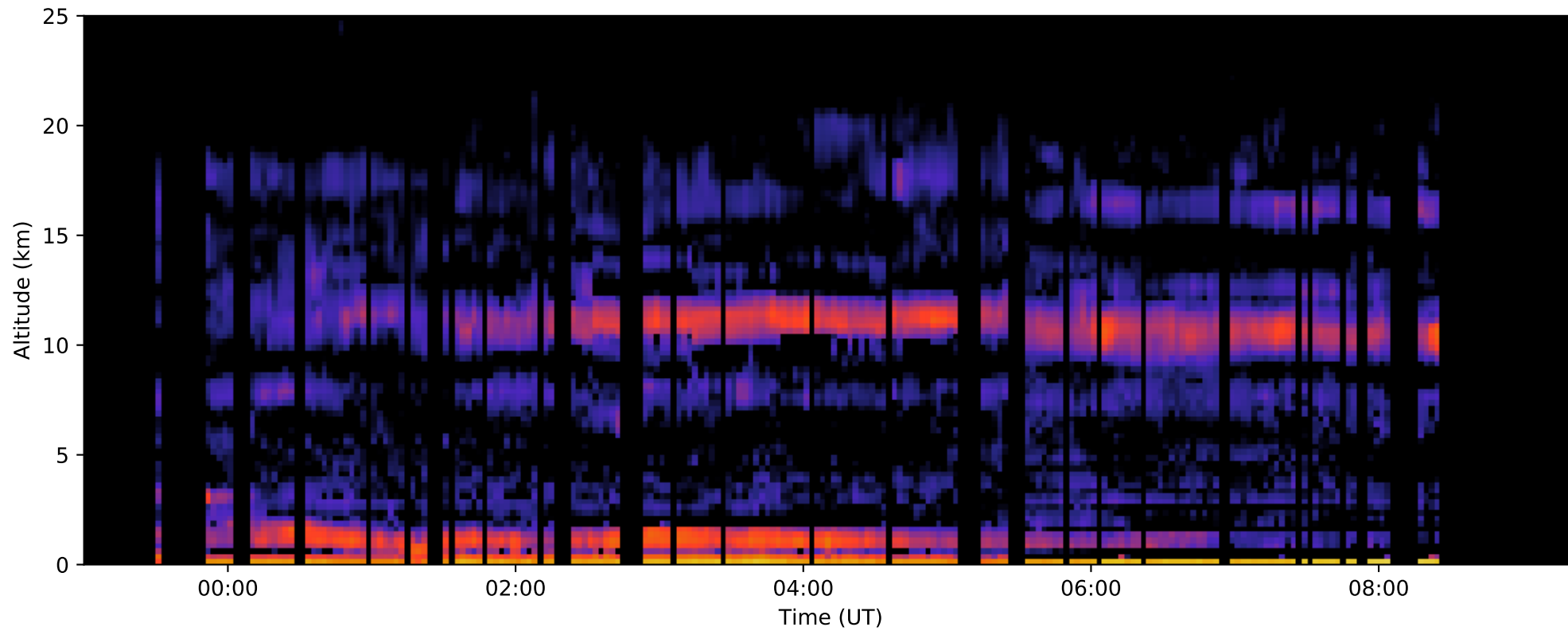


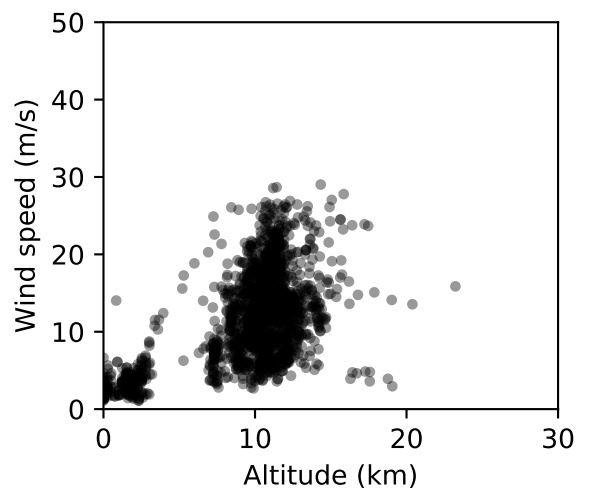
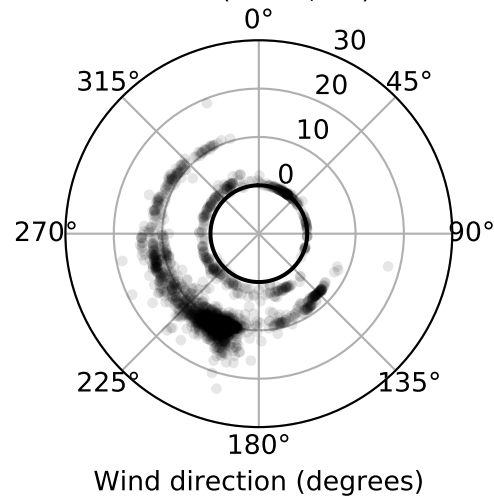
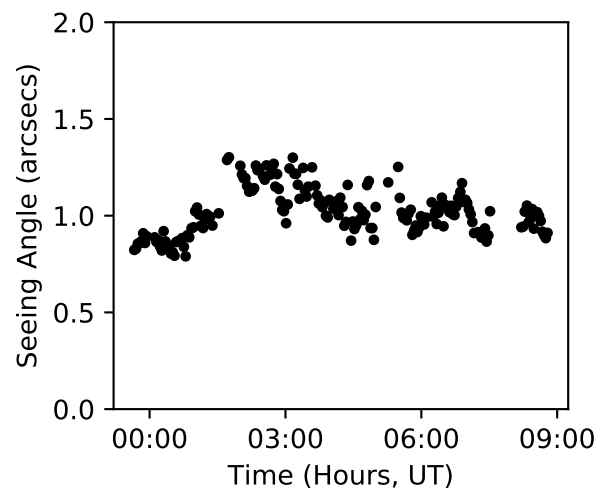
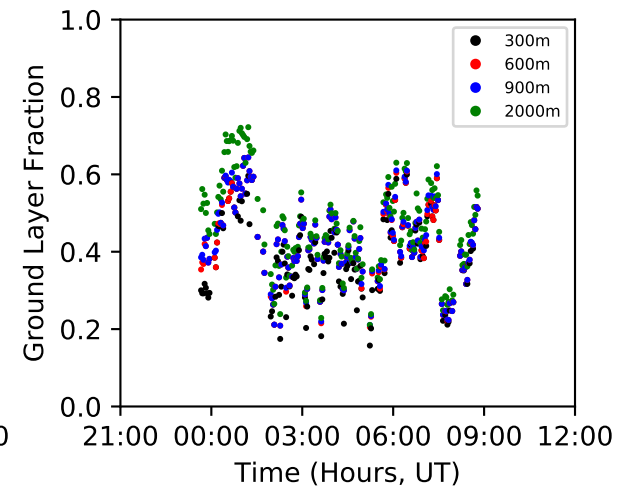
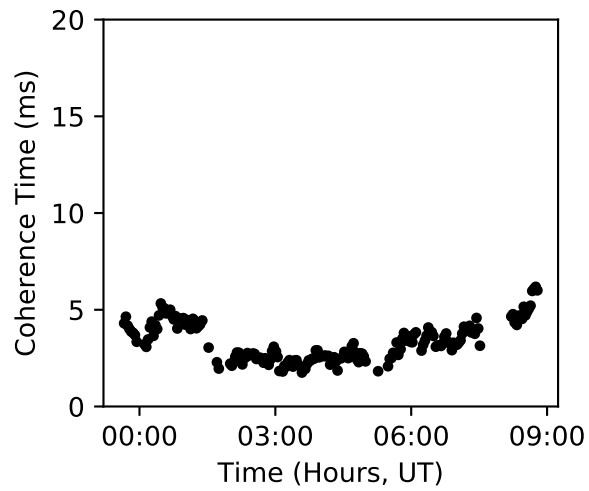
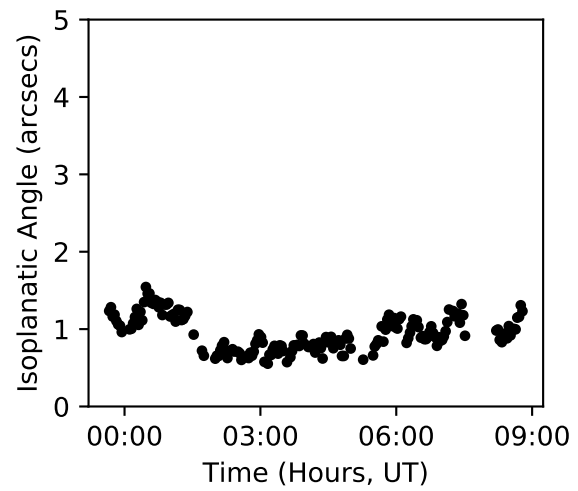
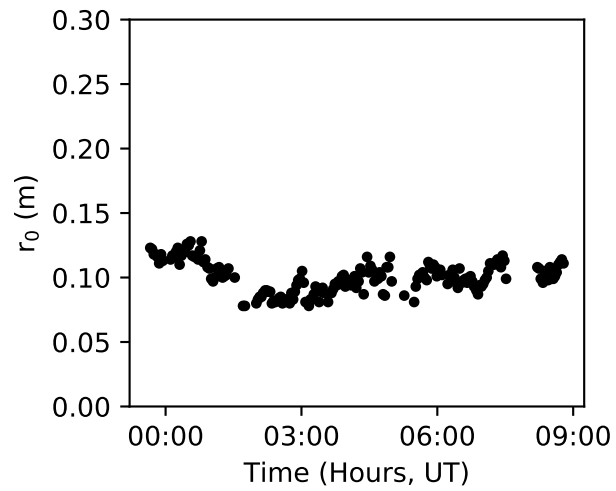
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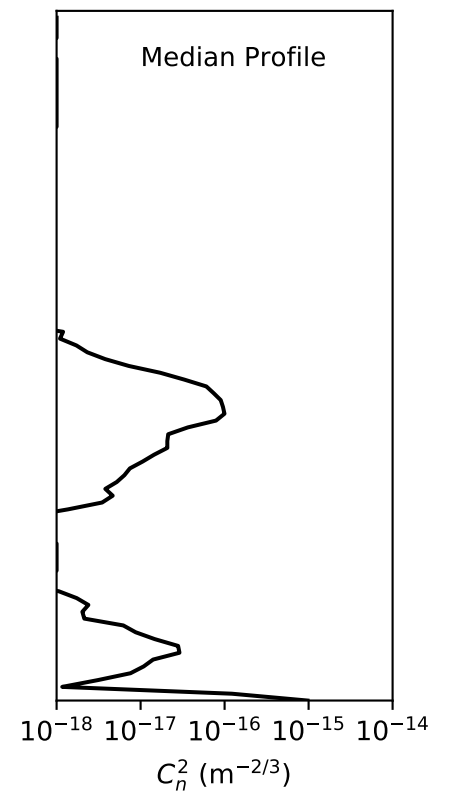
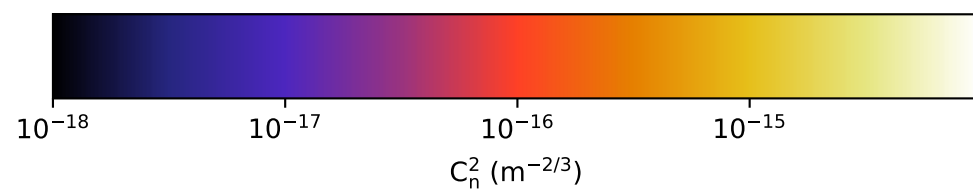
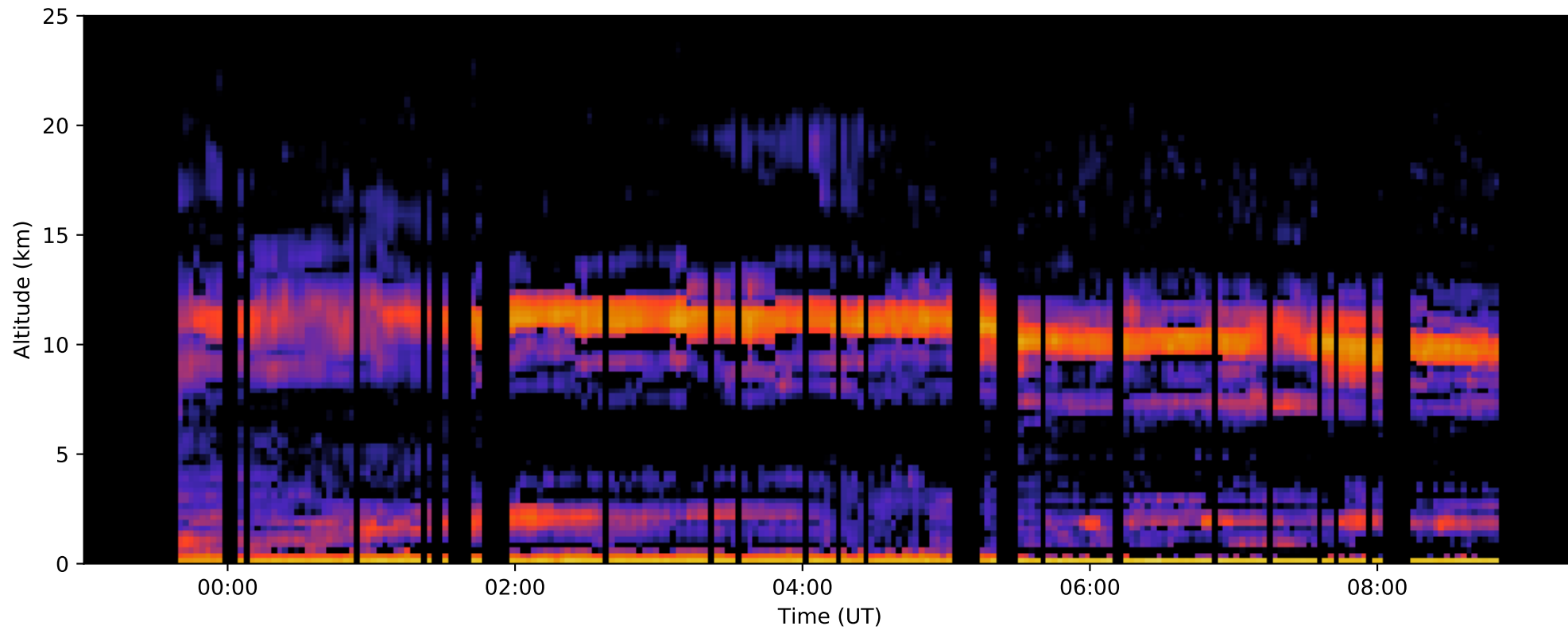


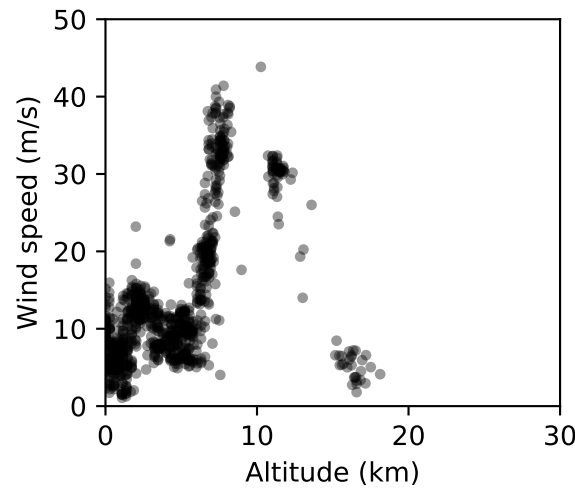
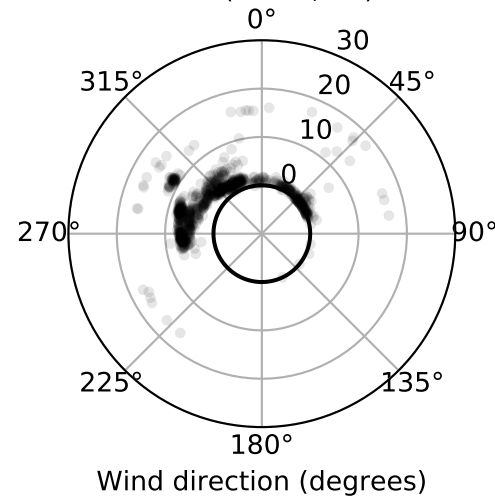
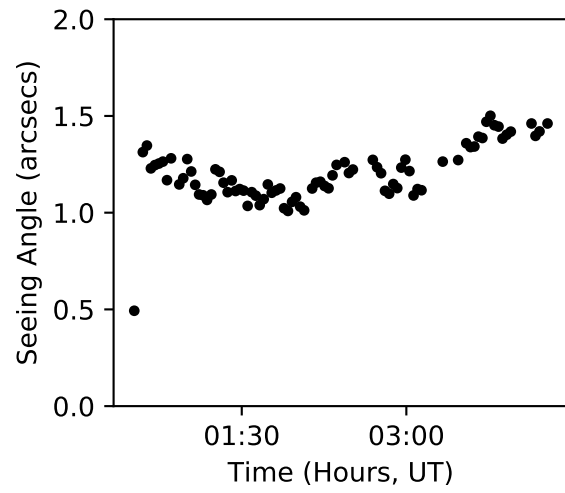
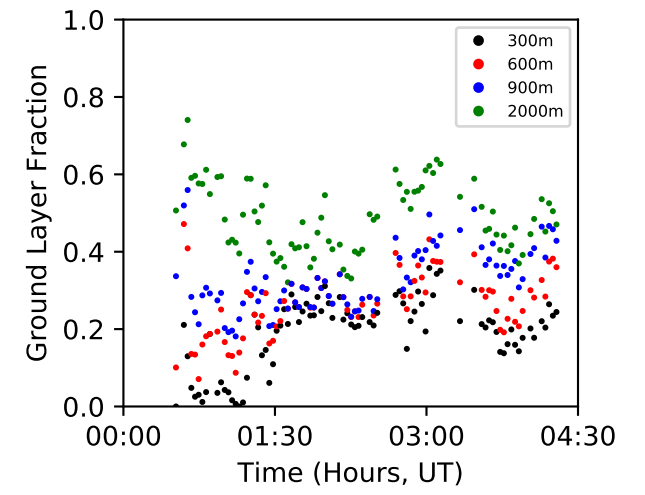
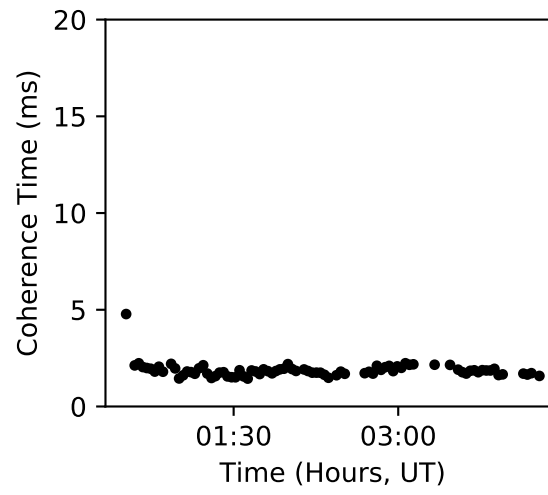
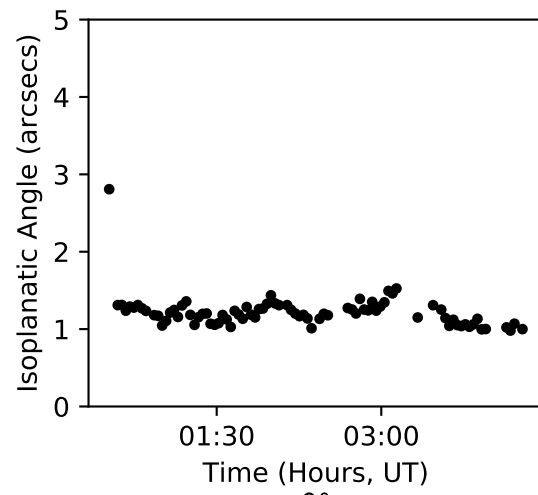
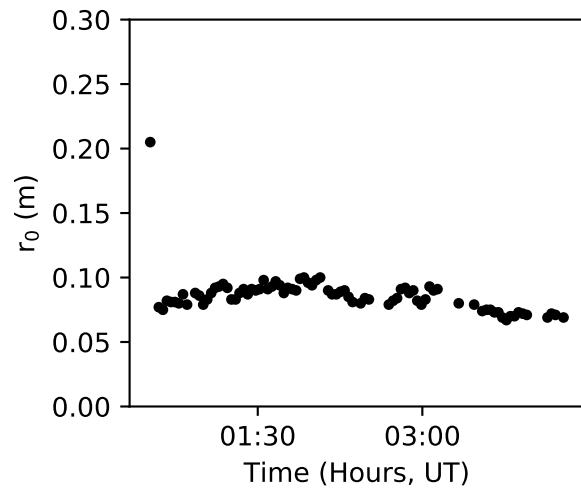
### 2016/11/01



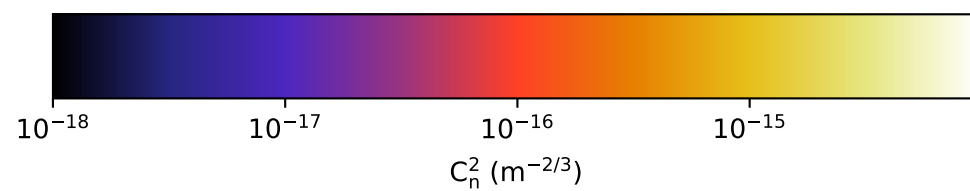
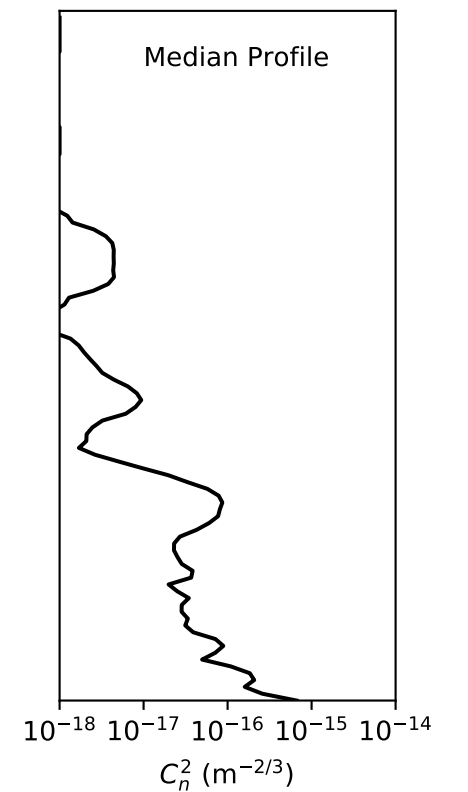
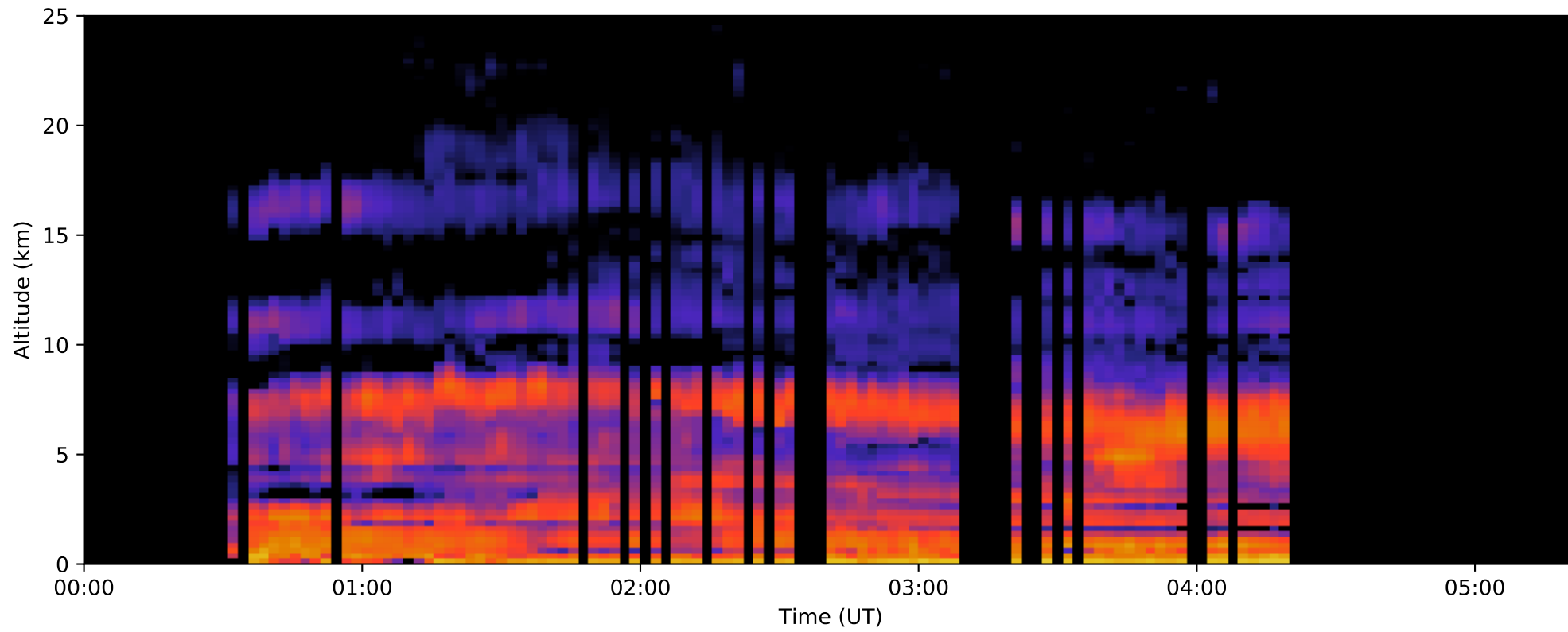


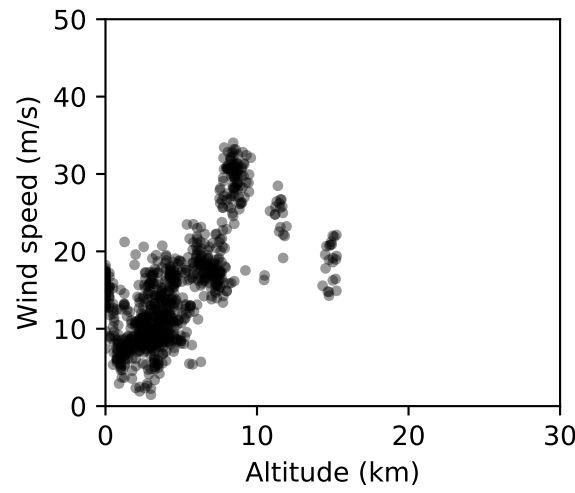
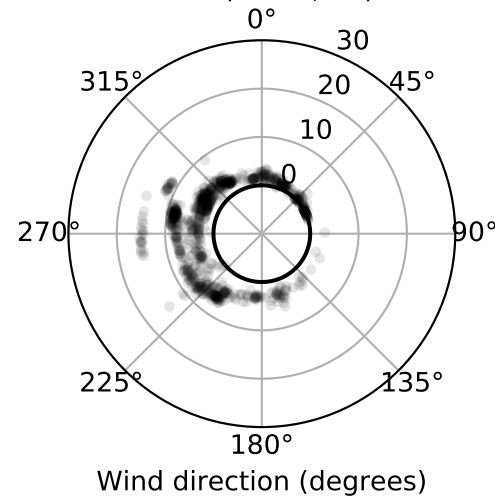
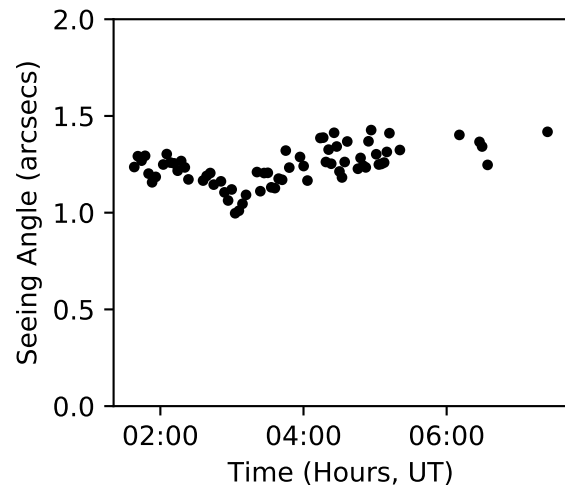
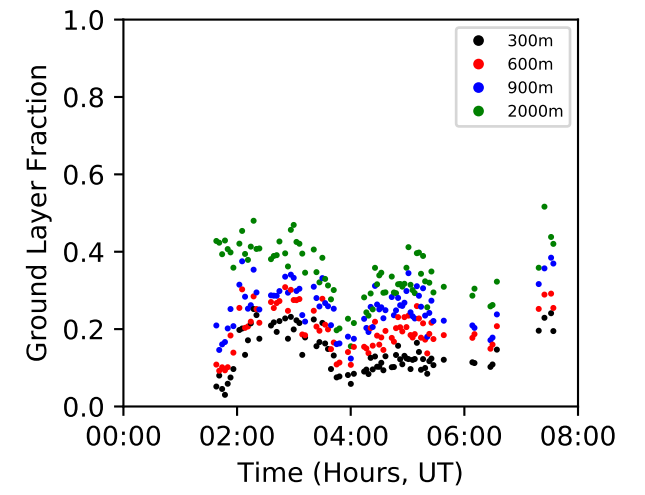
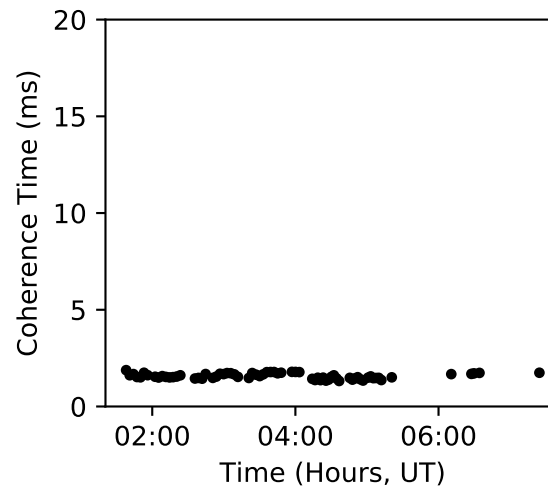
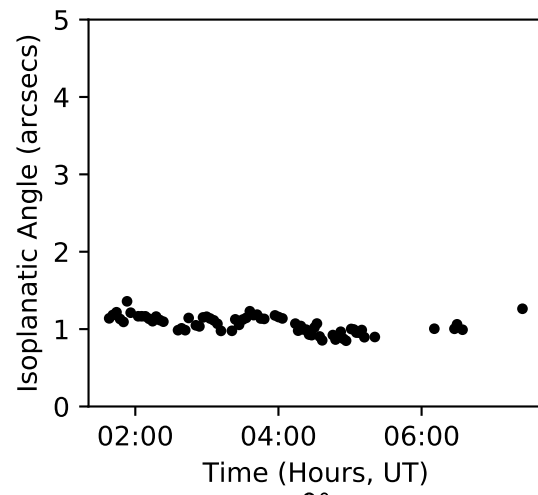
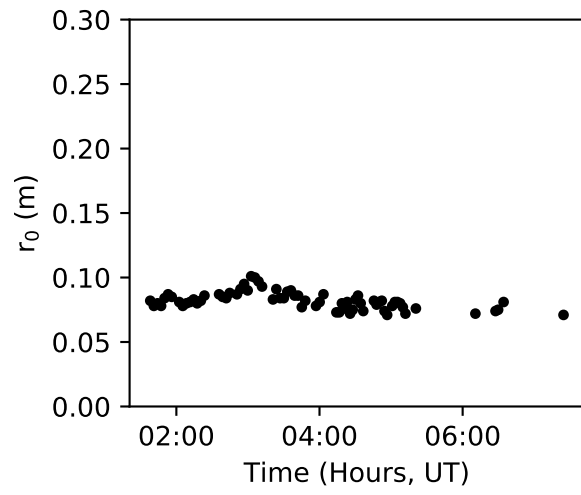
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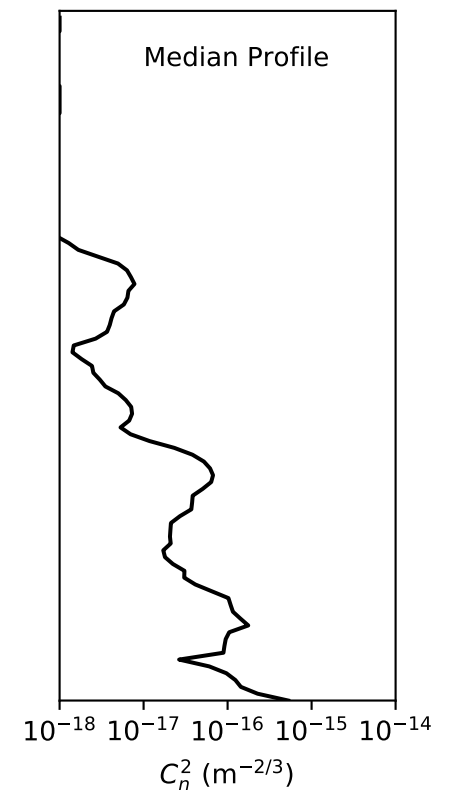
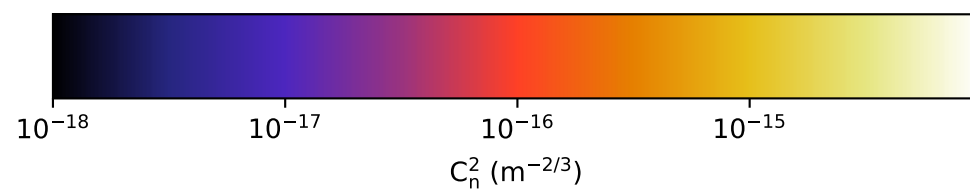
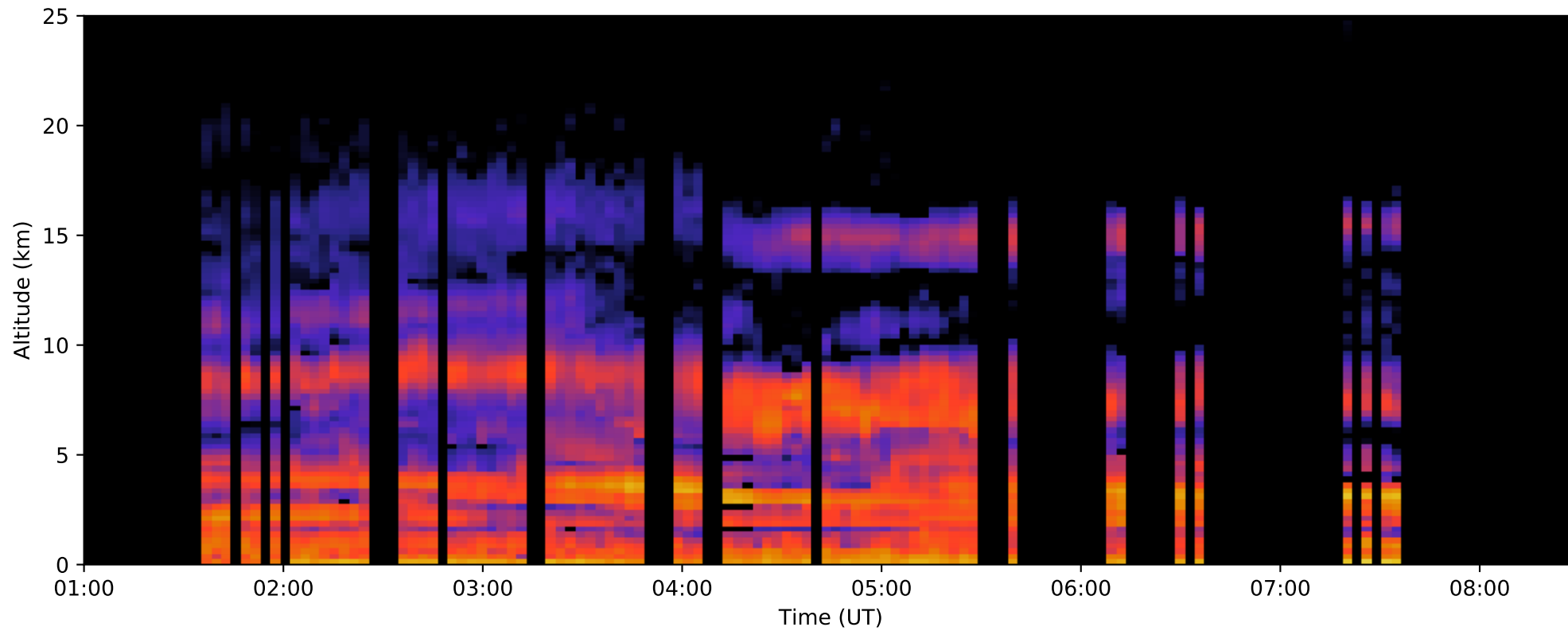


### 2016/12/10

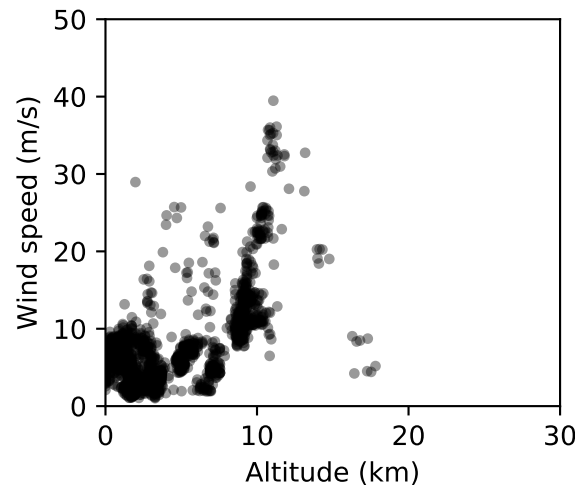
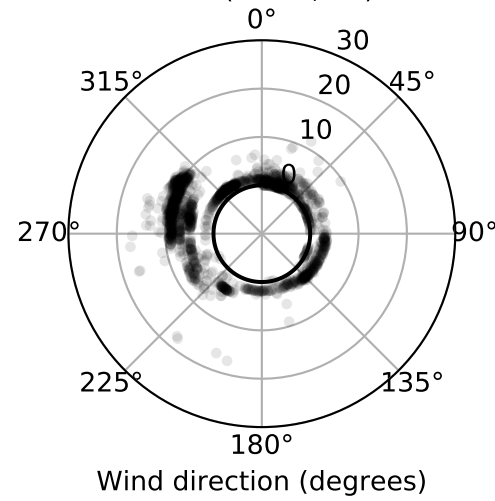
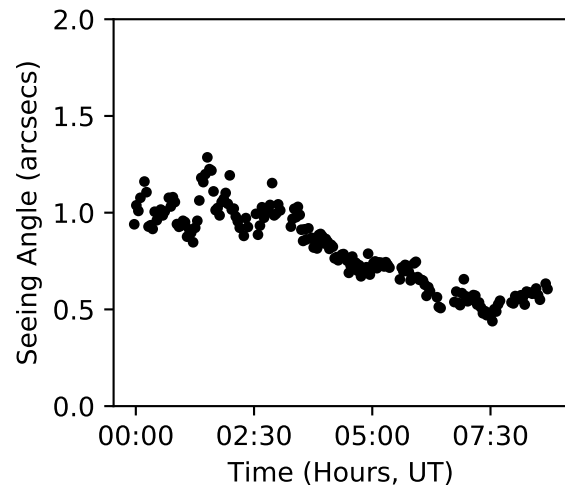
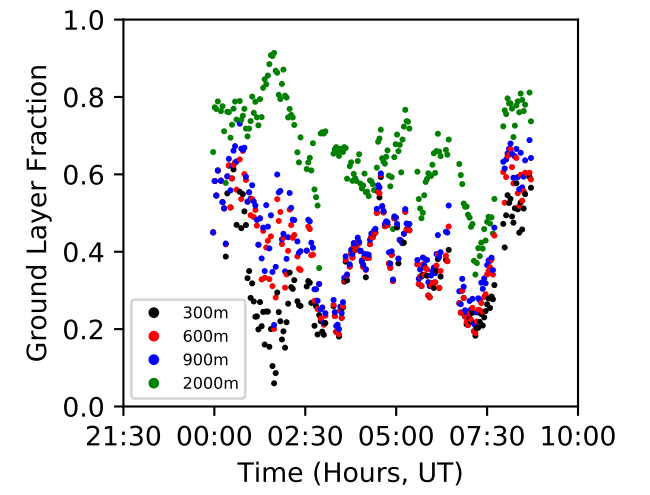
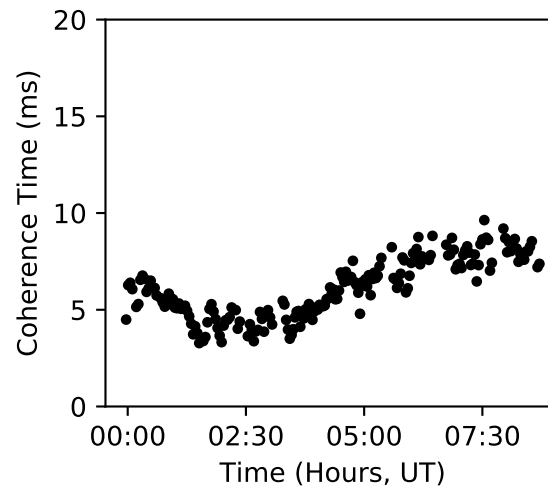
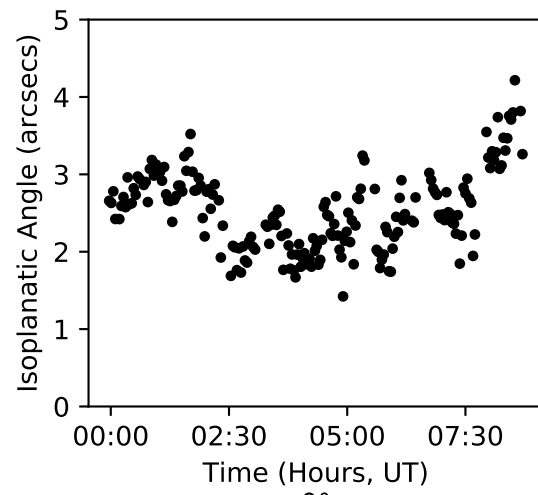
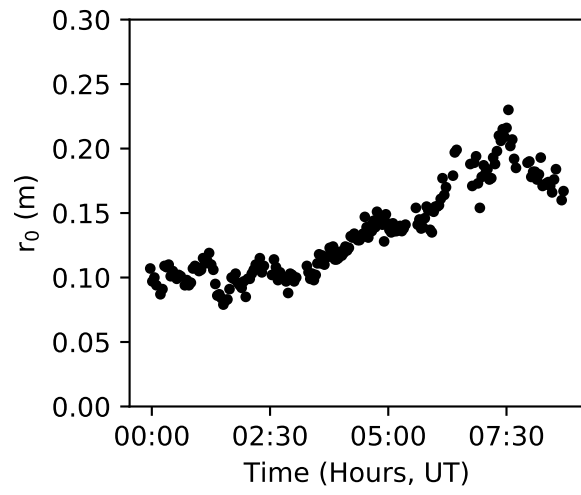




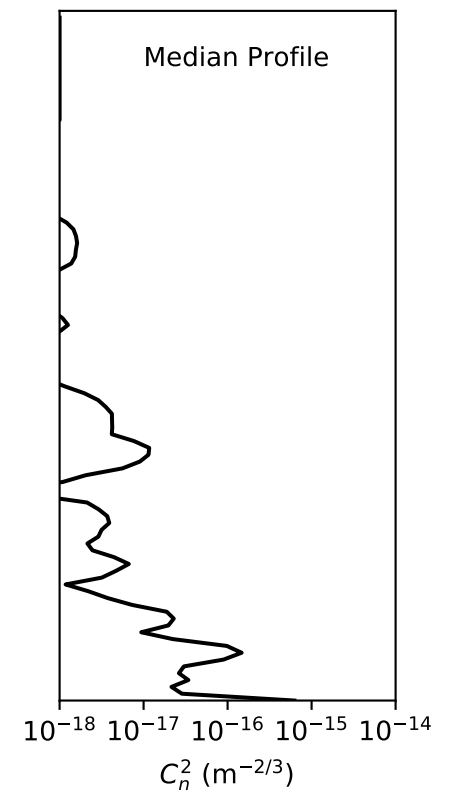
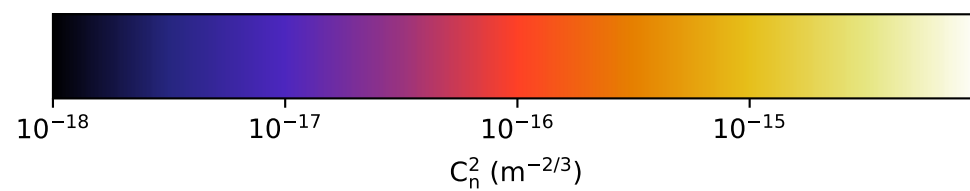
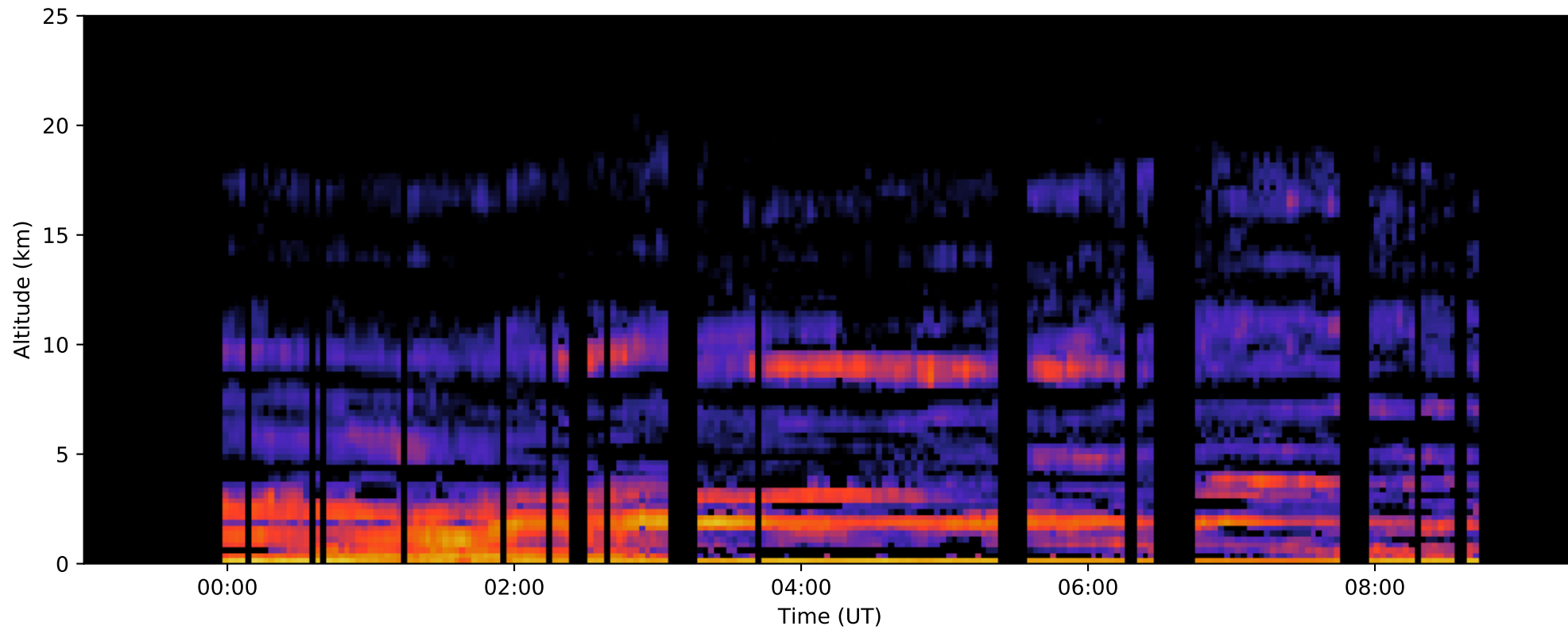
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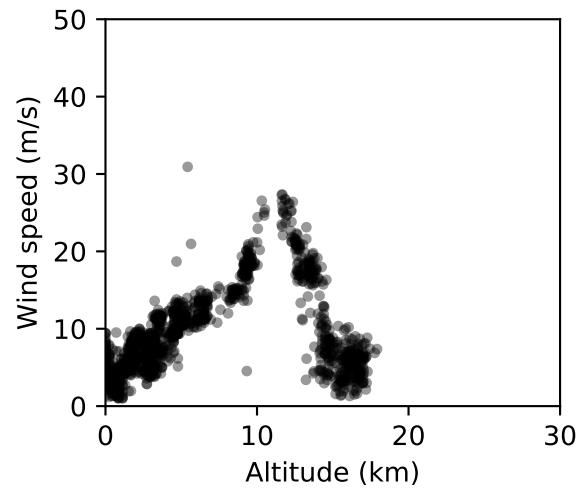
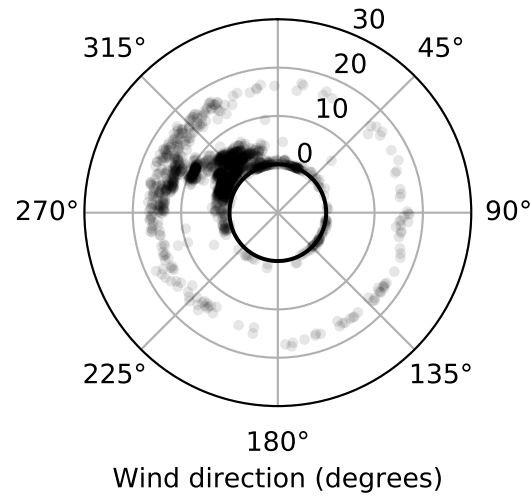
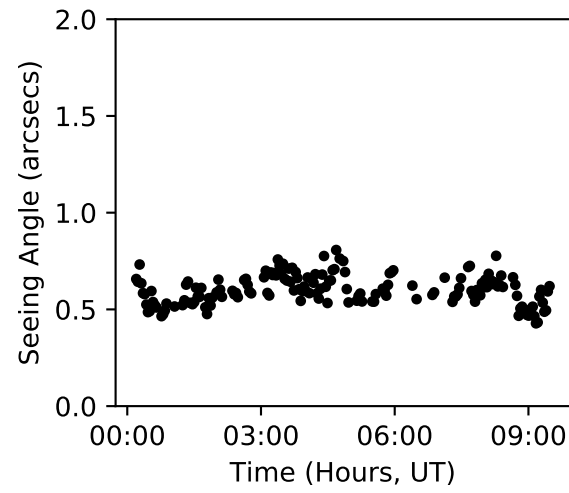
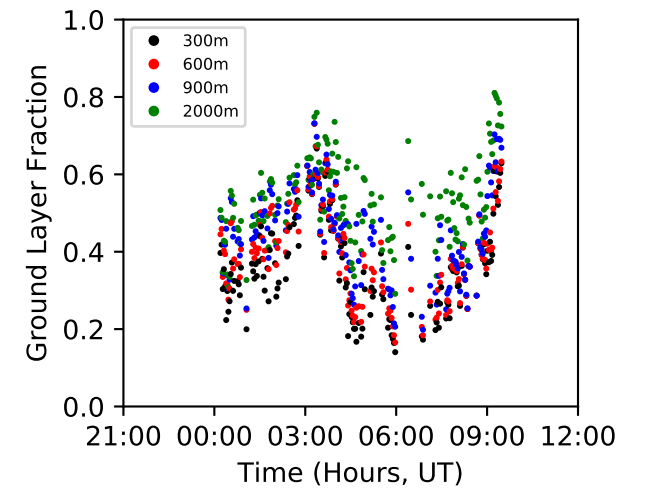
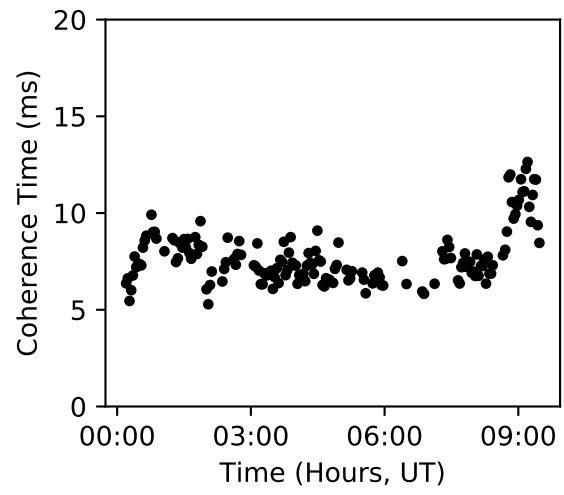
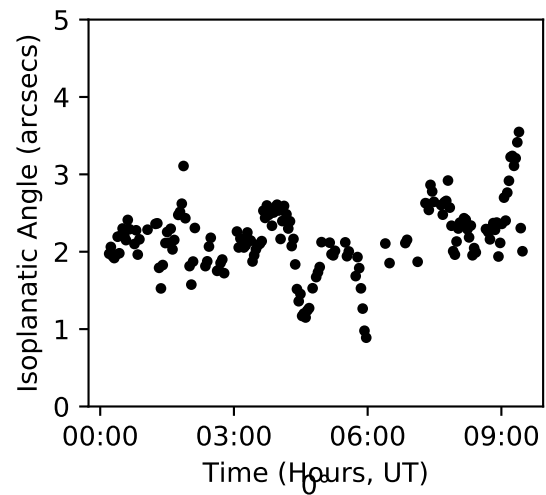
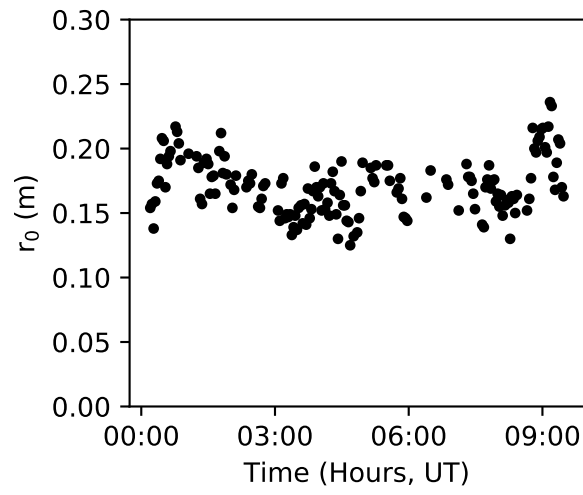




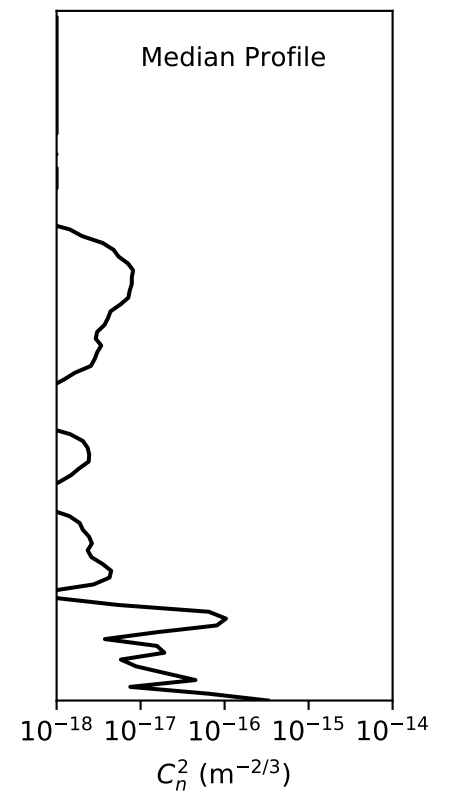
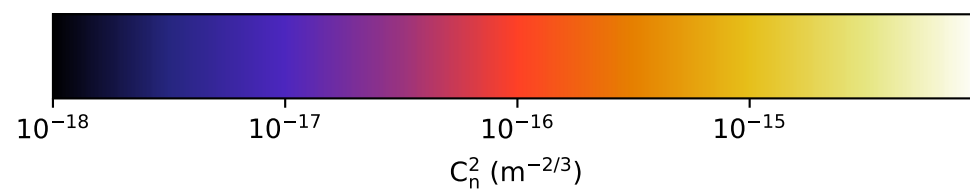
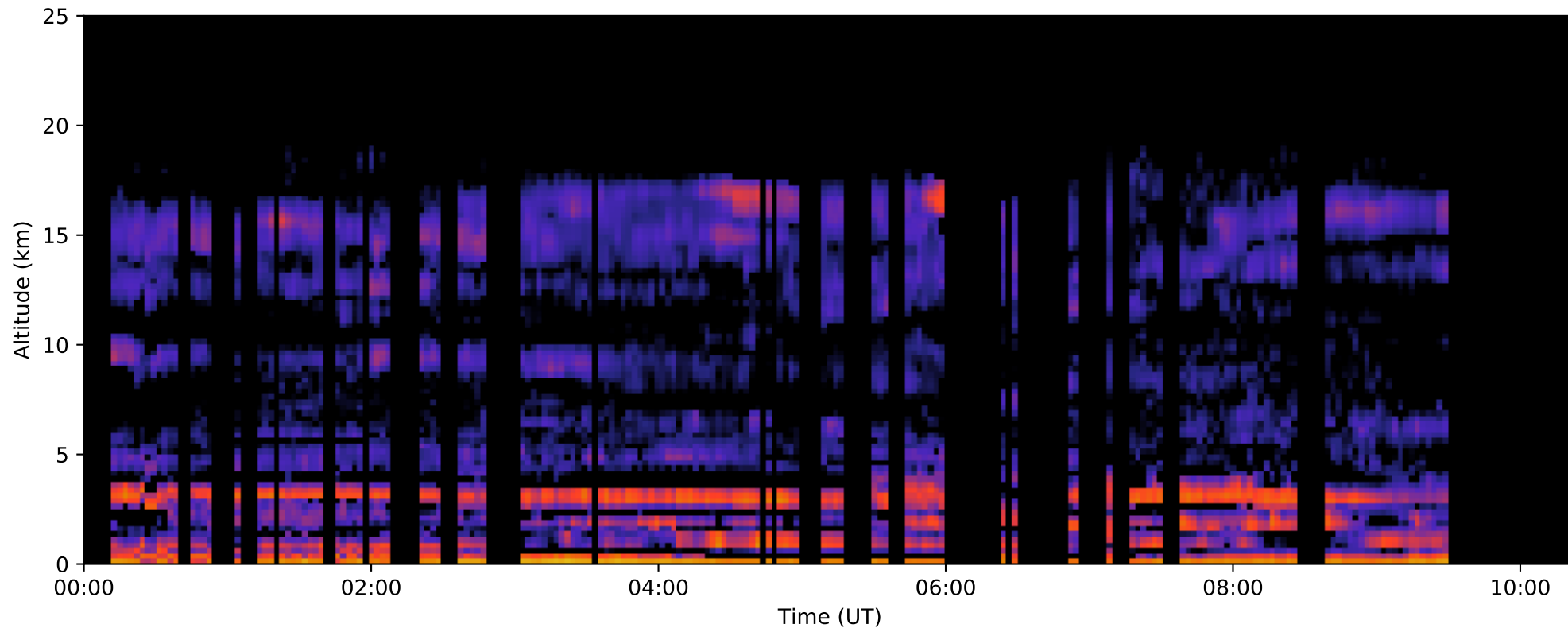


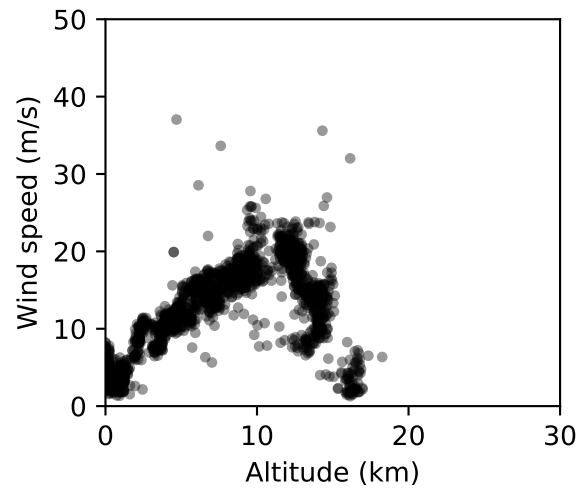
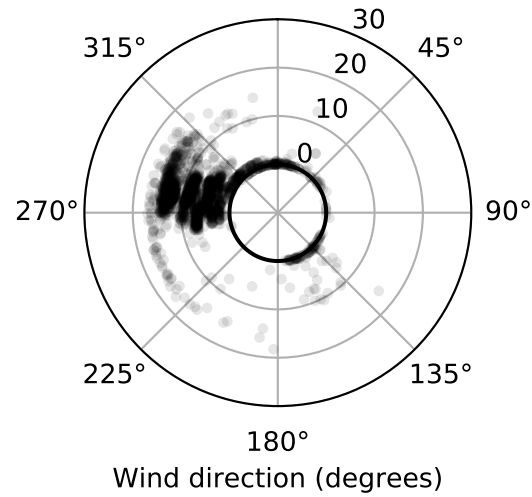
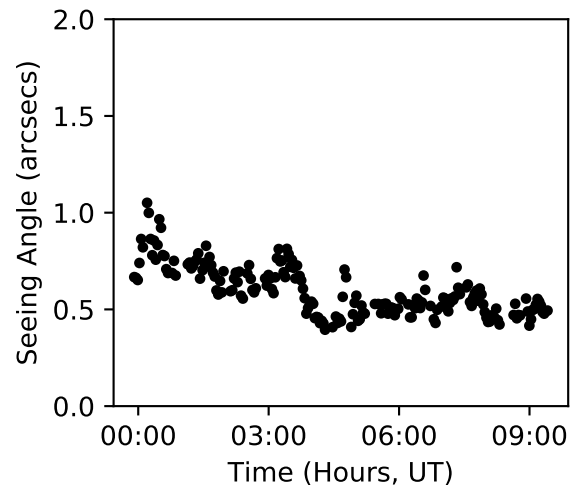
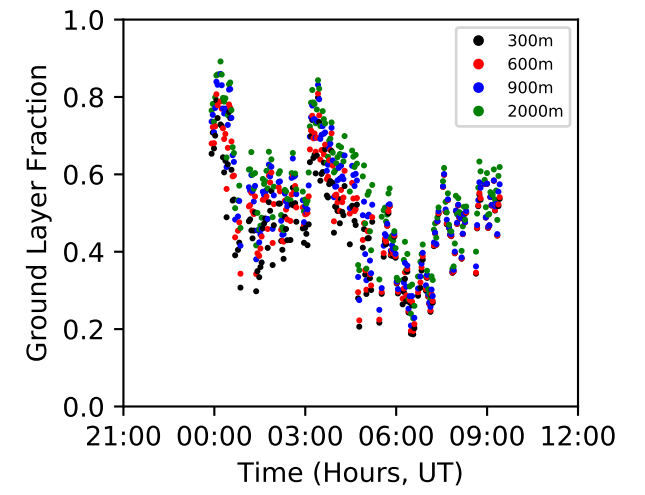
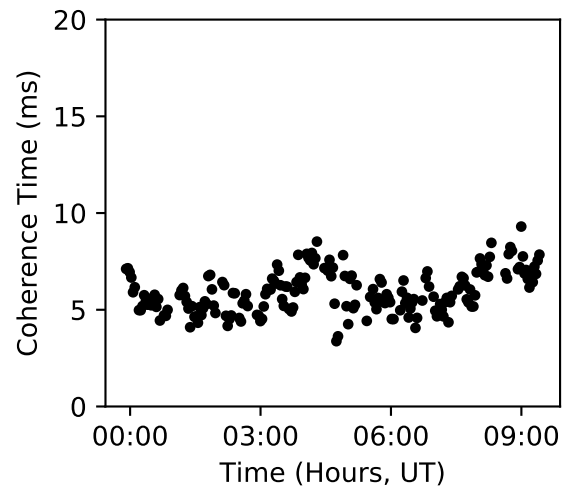
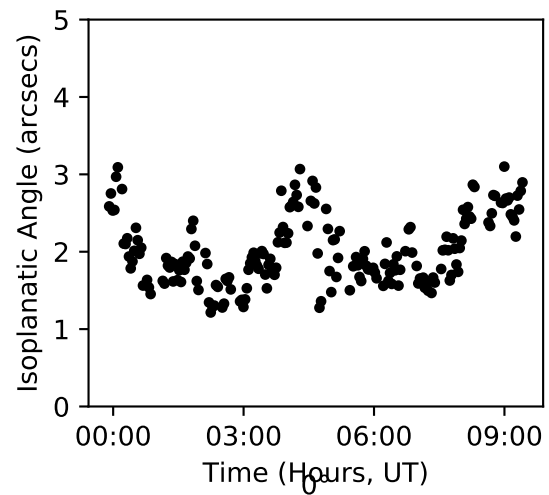
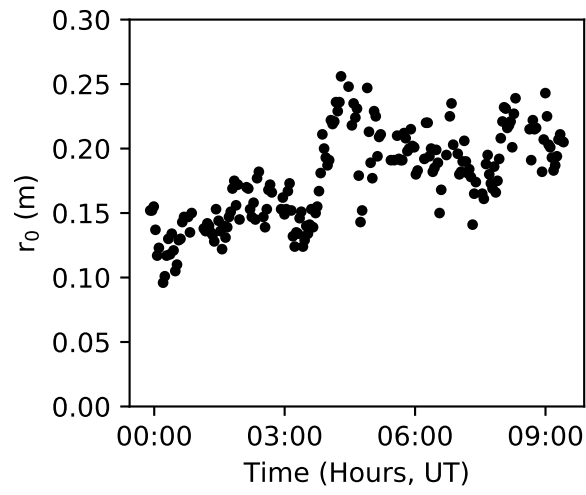
### 2016/12/12



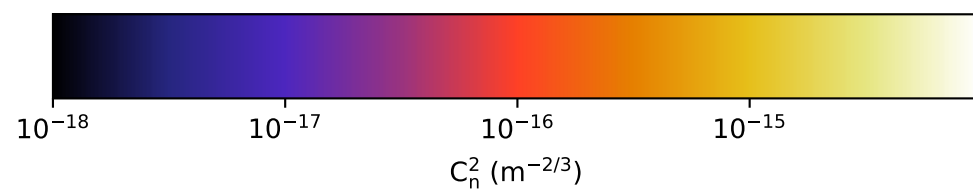
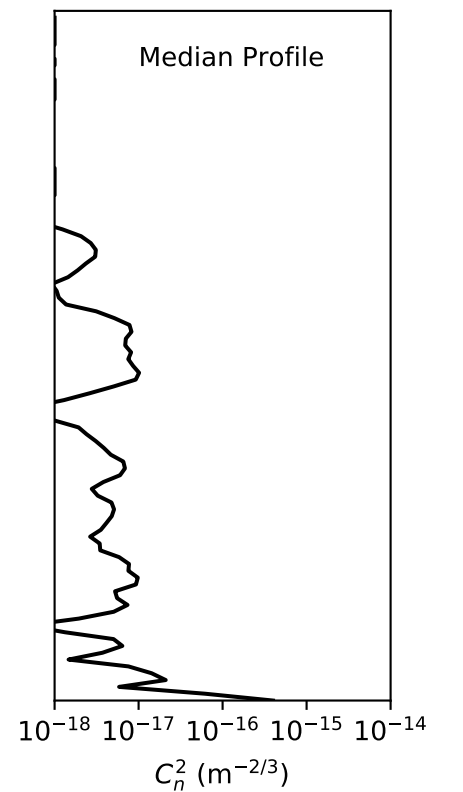
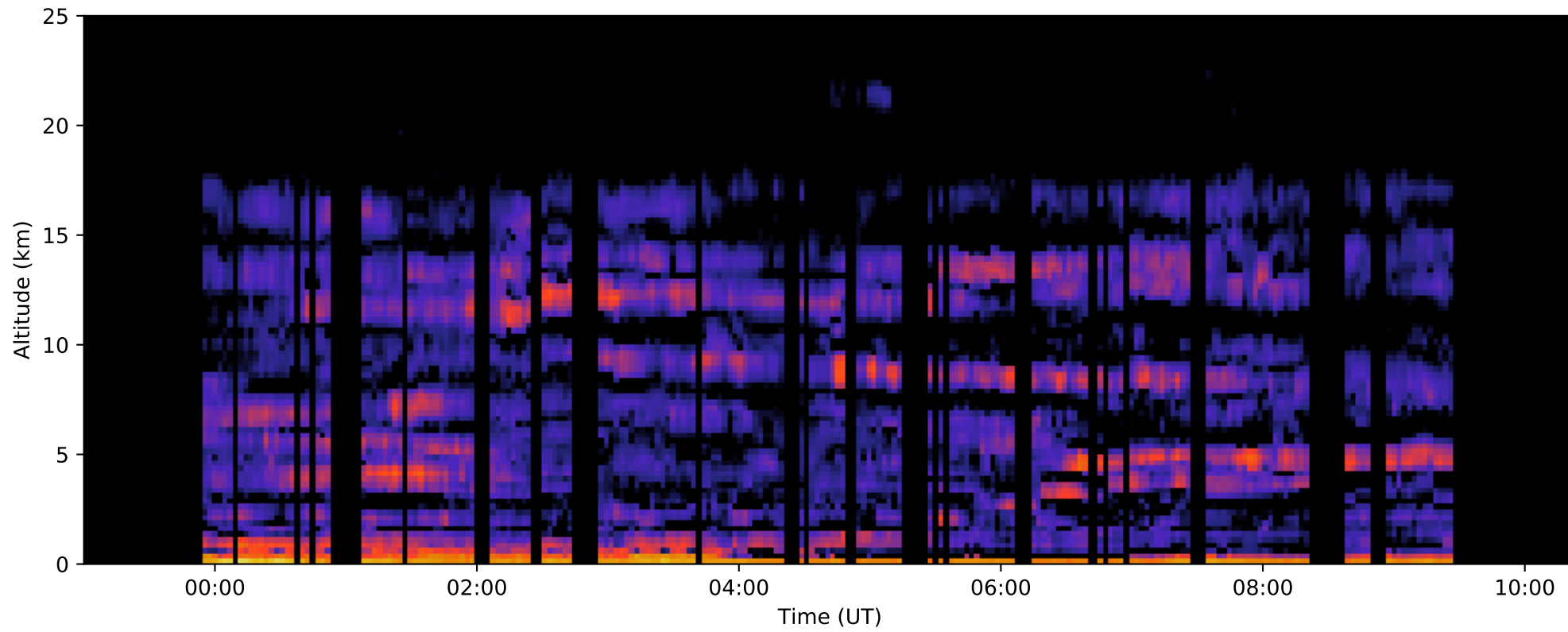


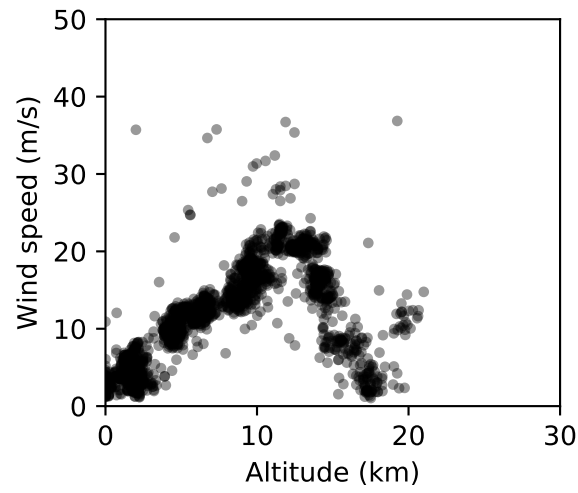
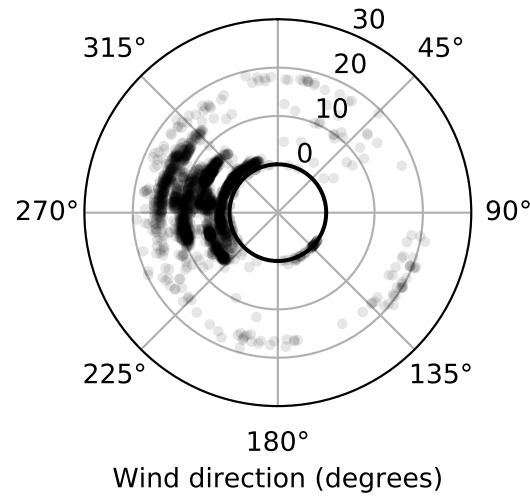
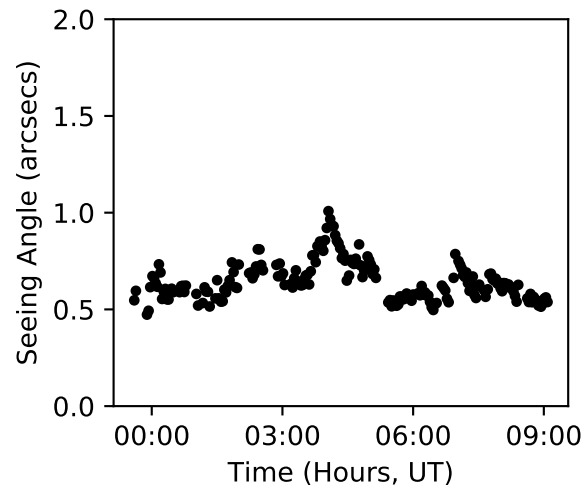
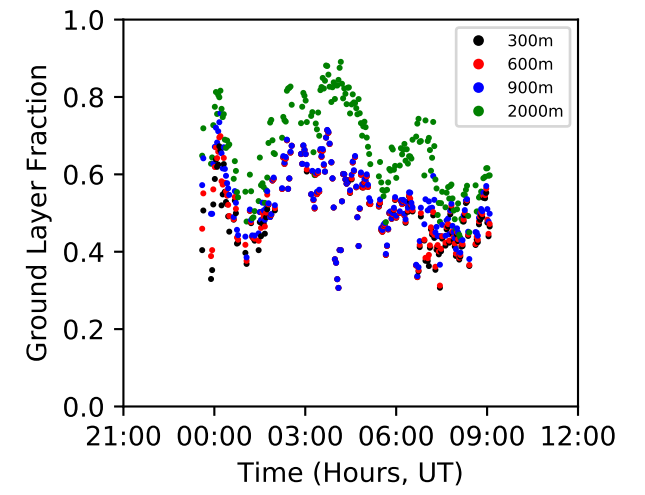
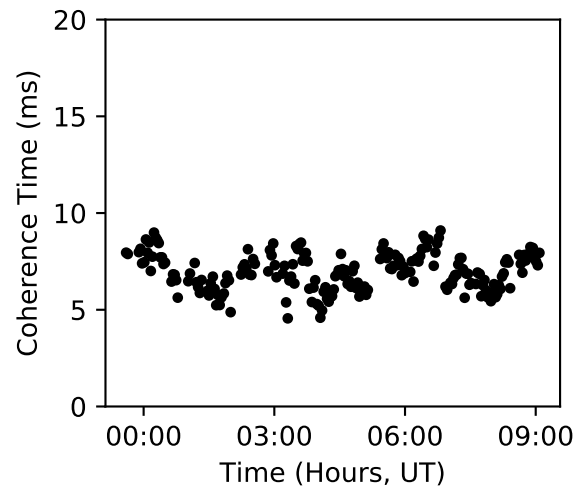
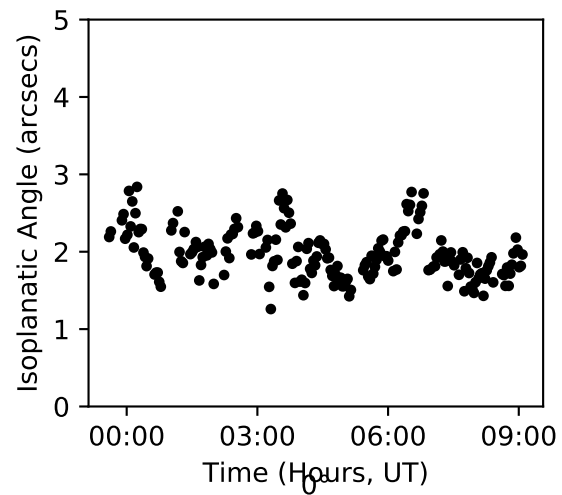
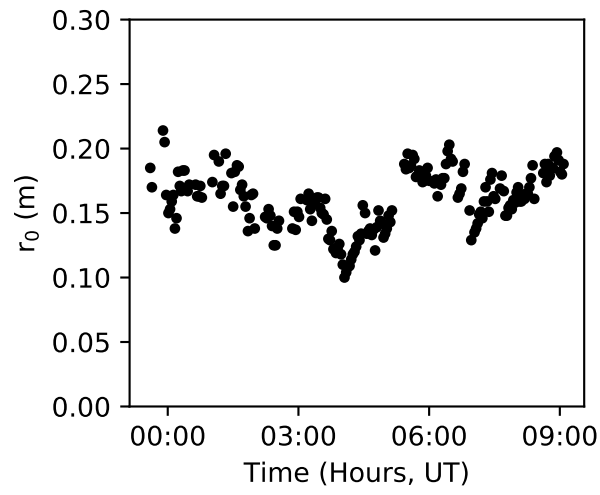
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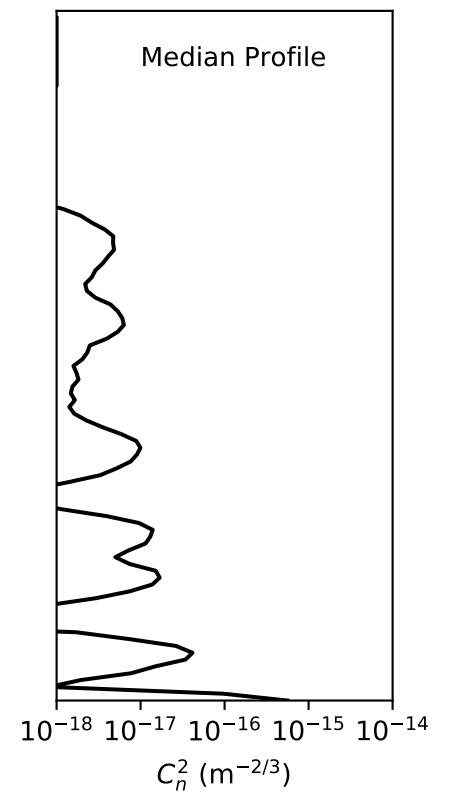
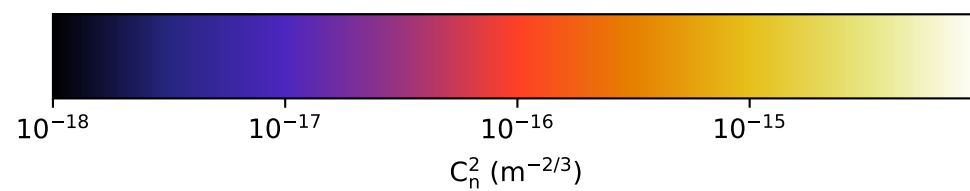
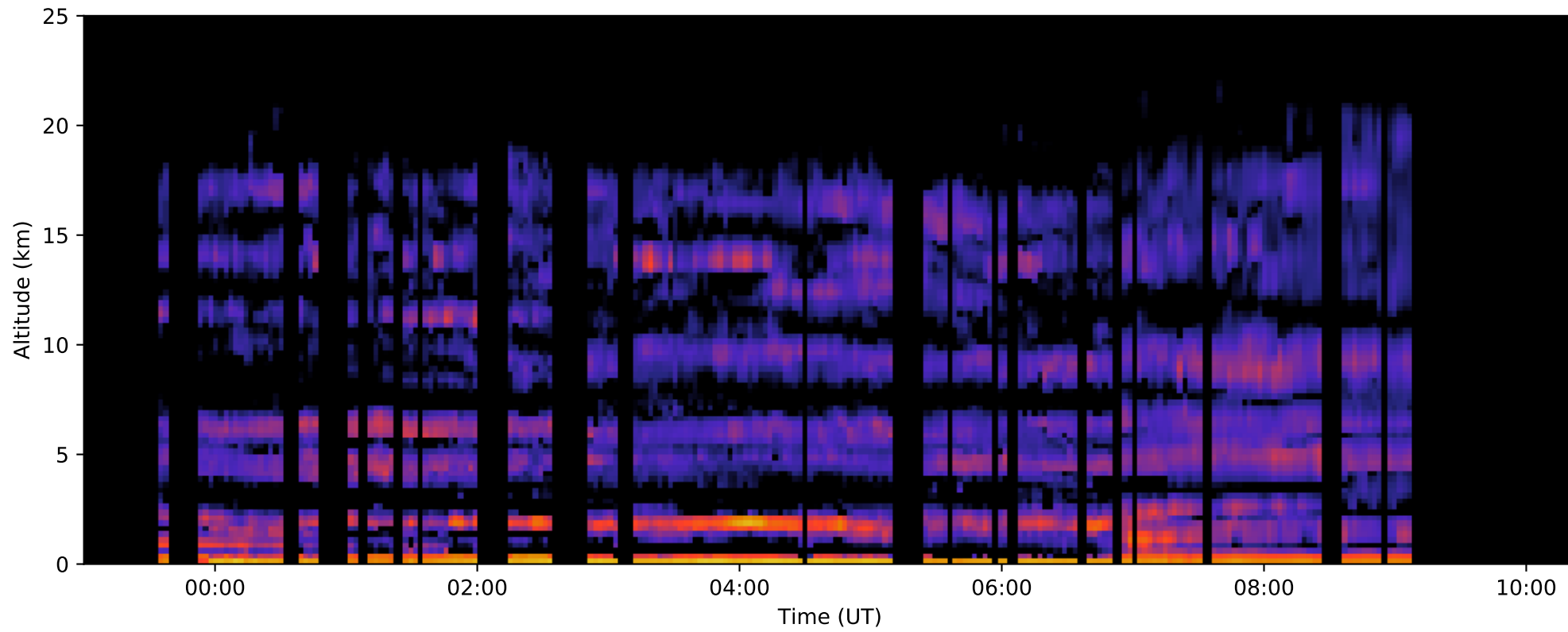


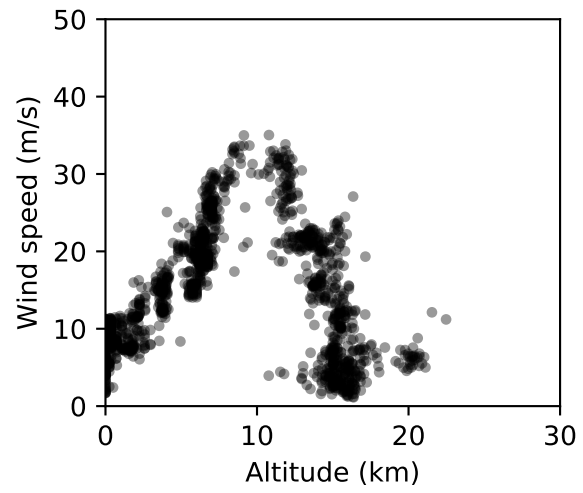
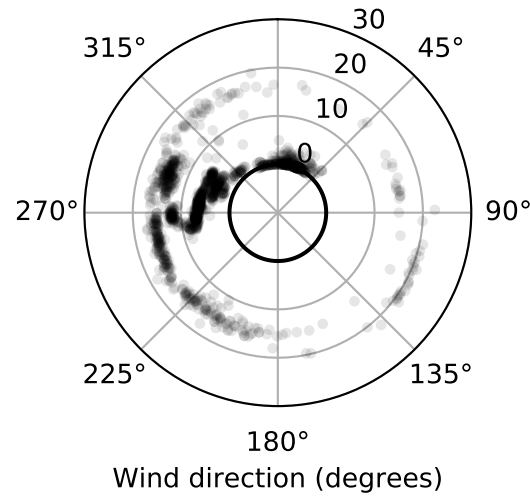
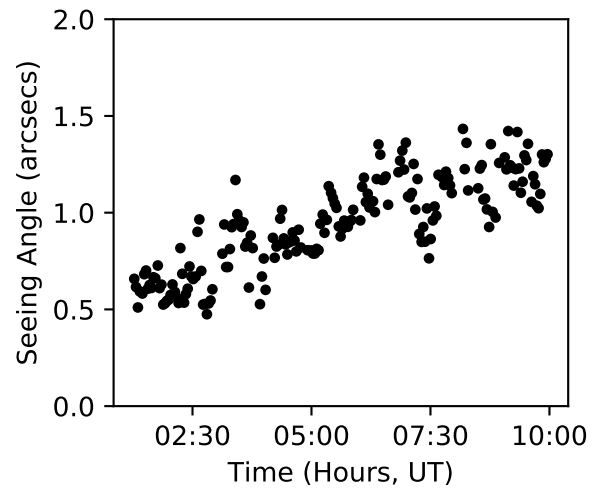
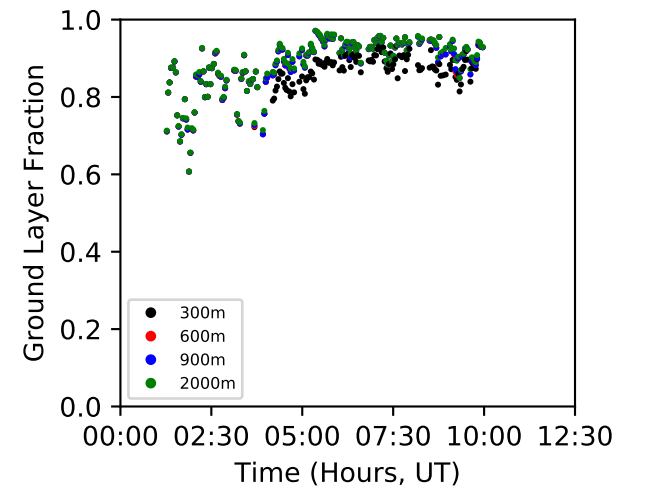
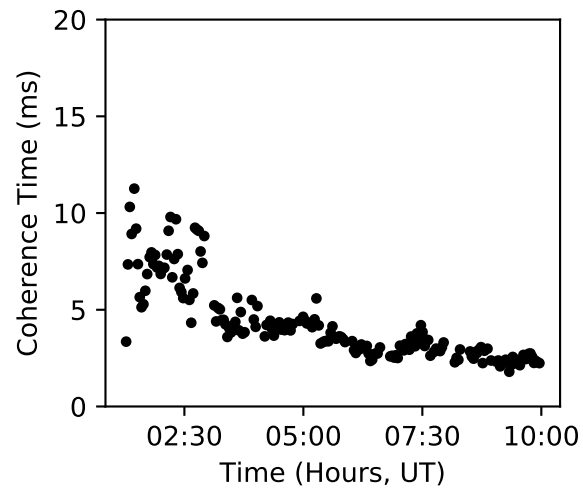
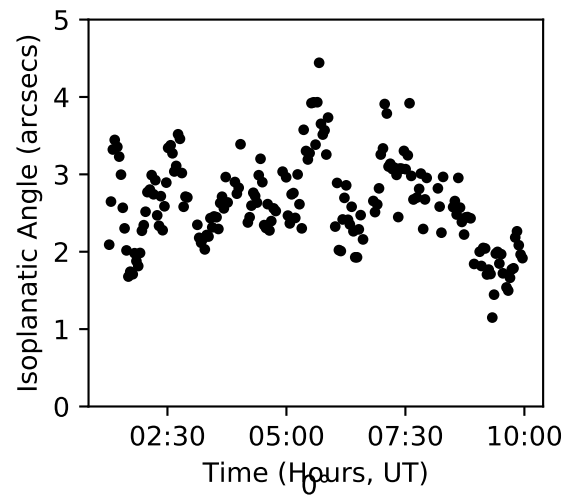
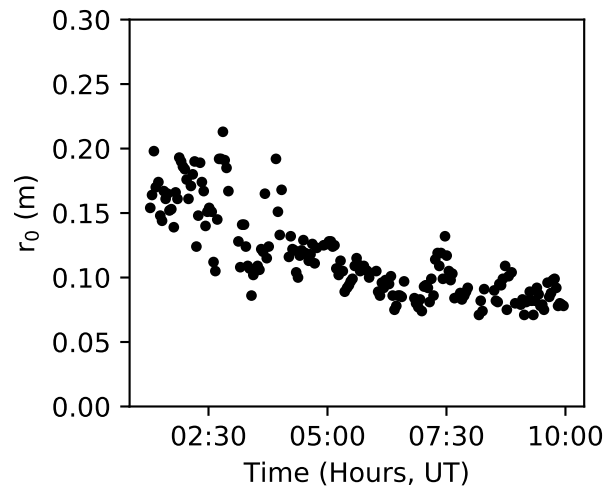
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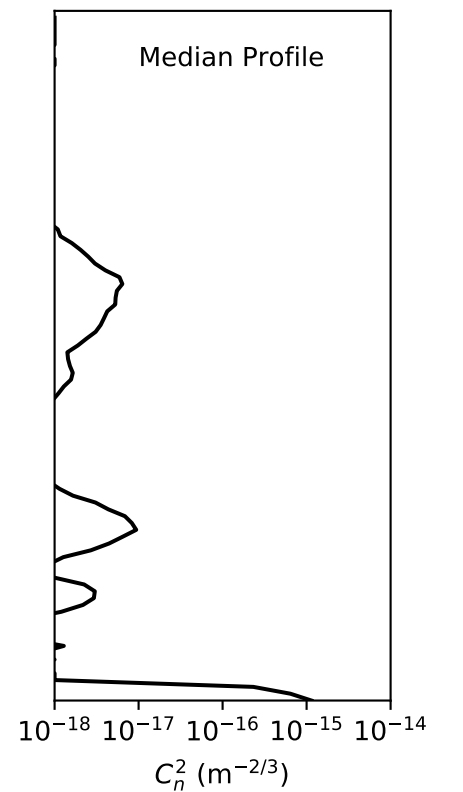
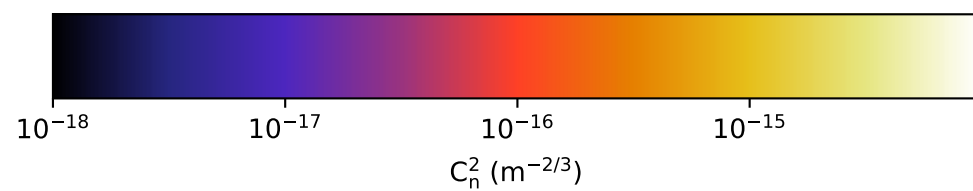
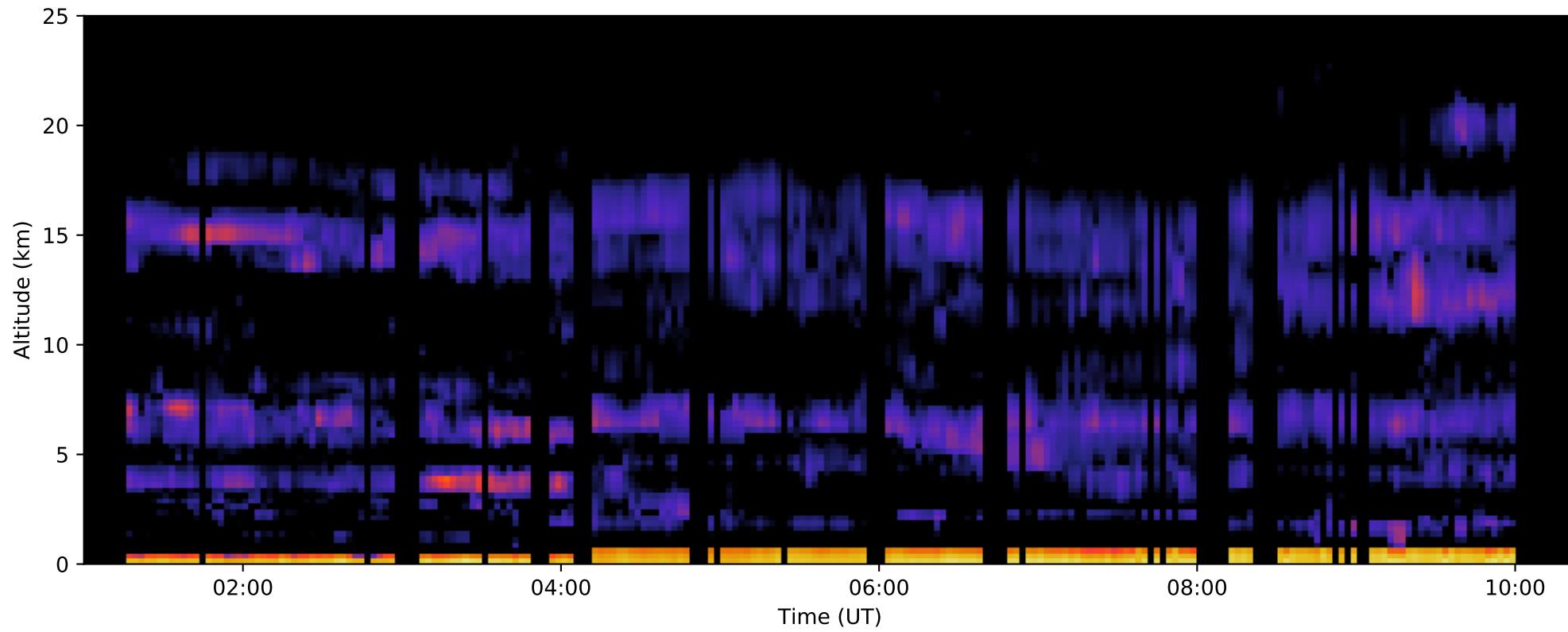


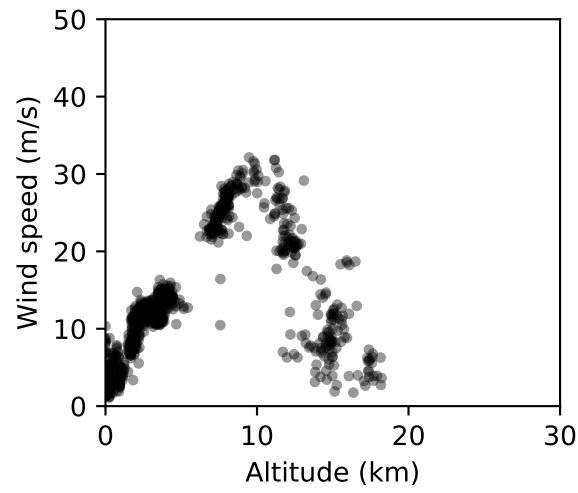
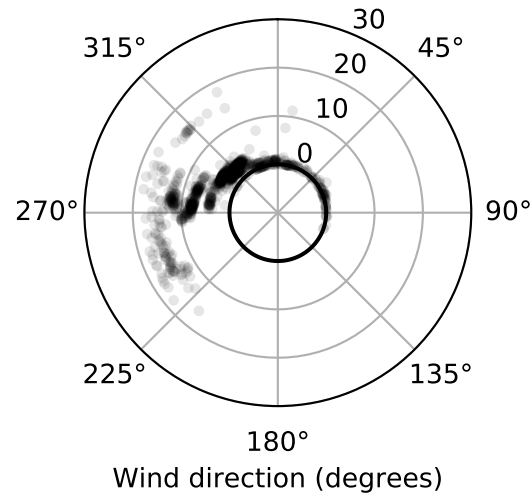
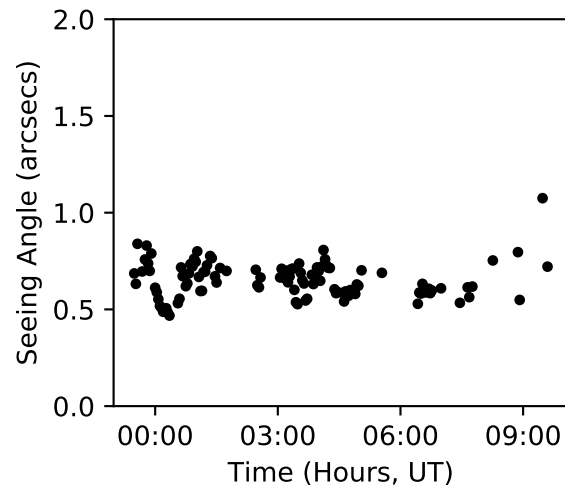
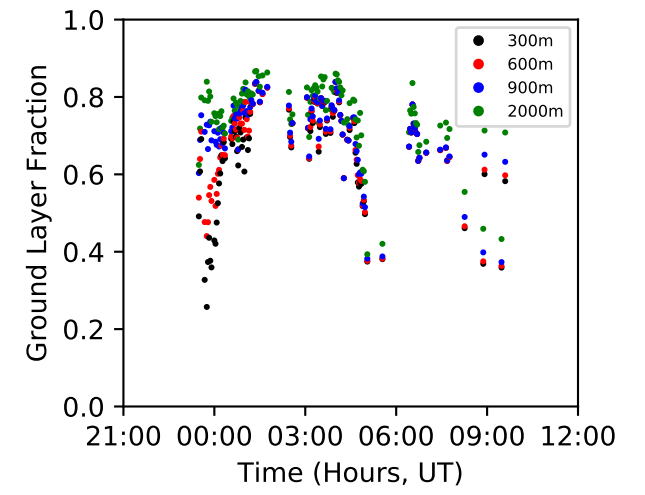
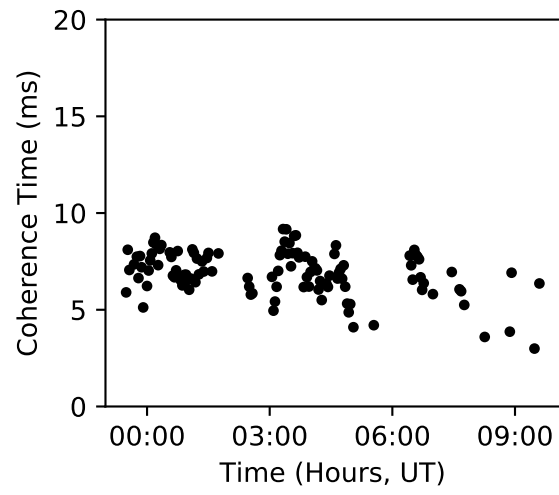
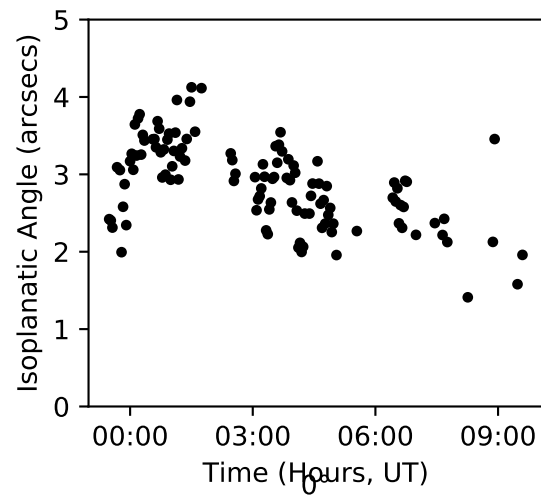
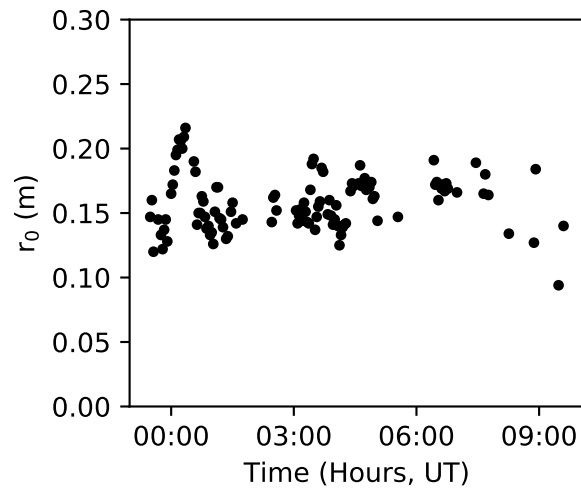
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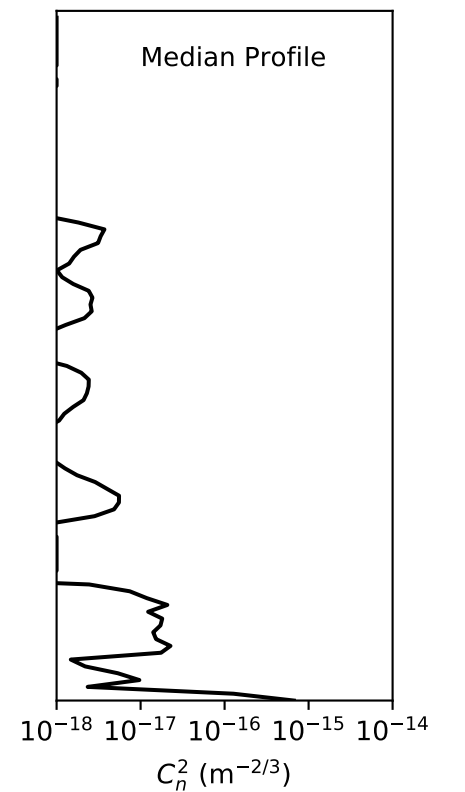
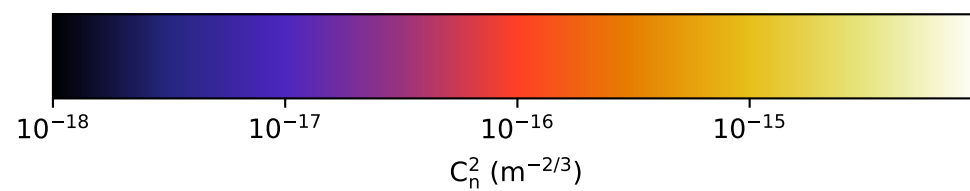
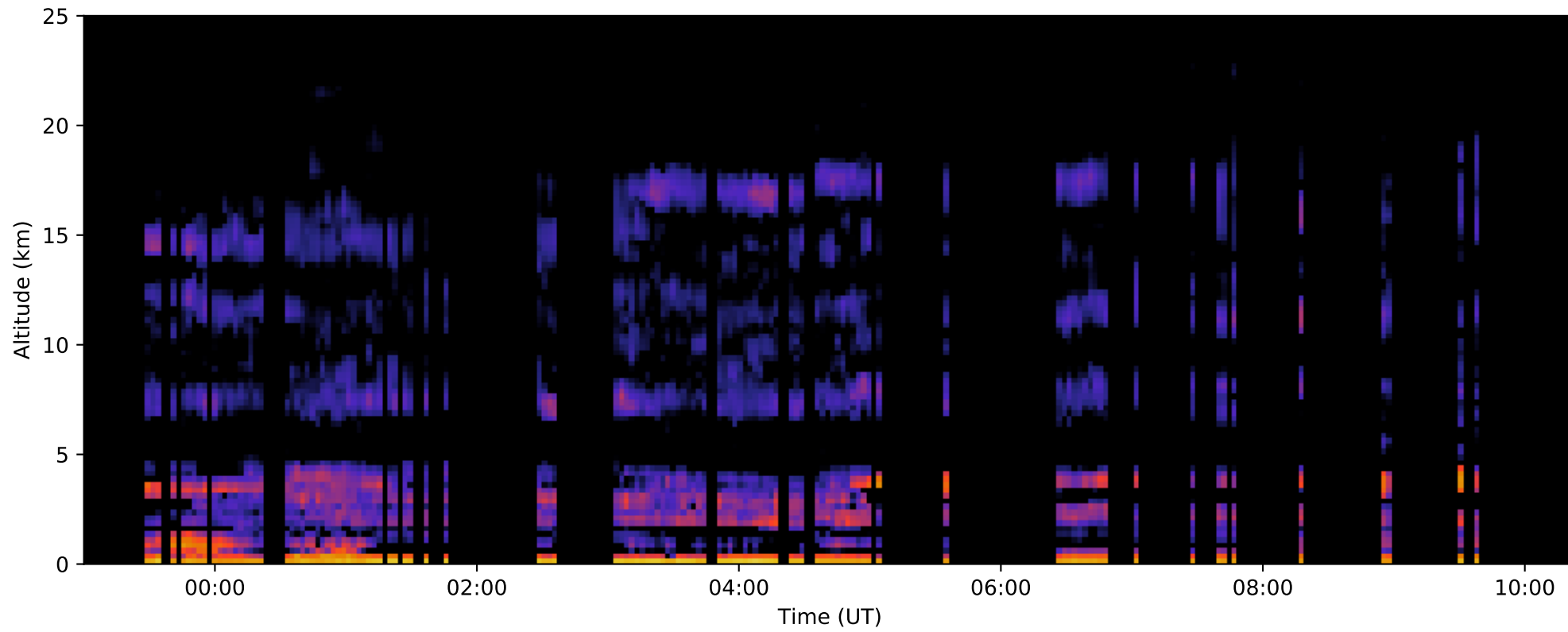


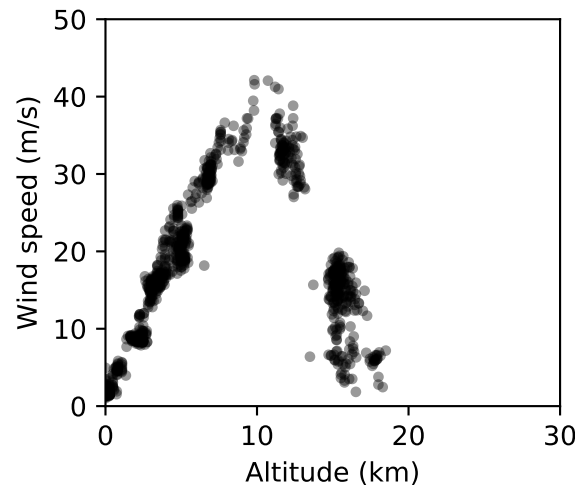
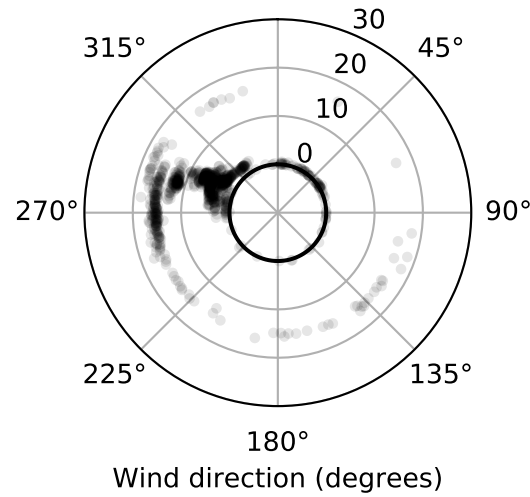
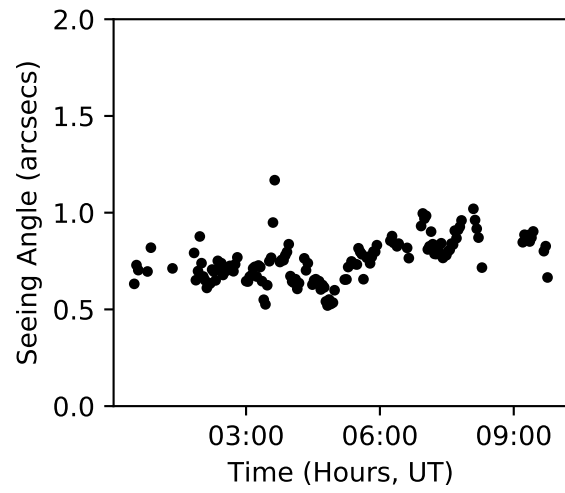
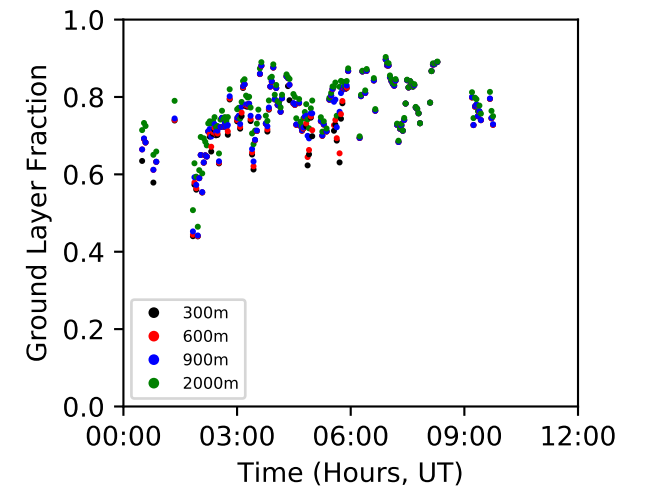
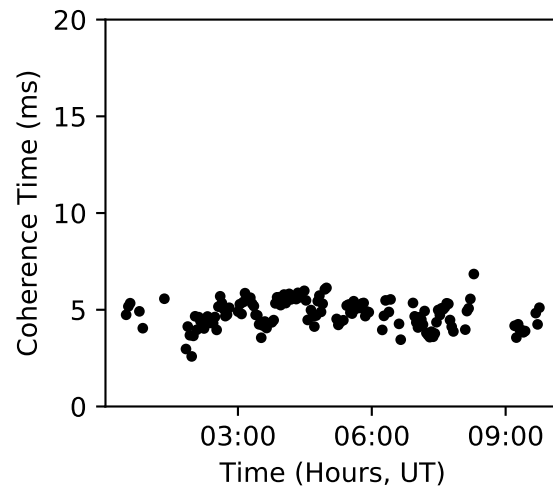
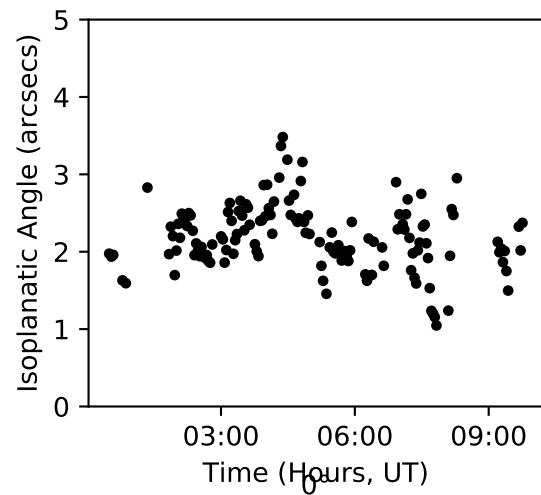
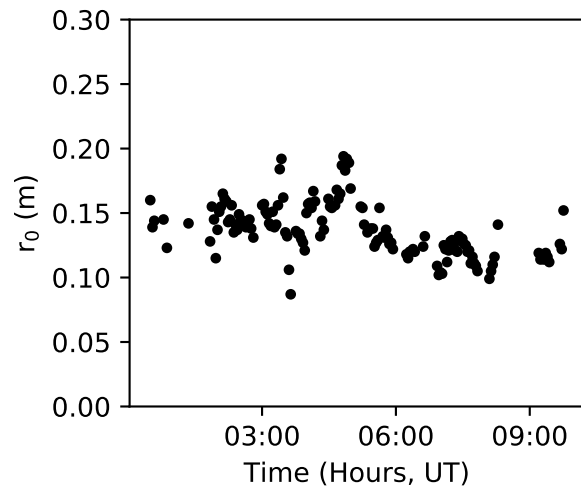
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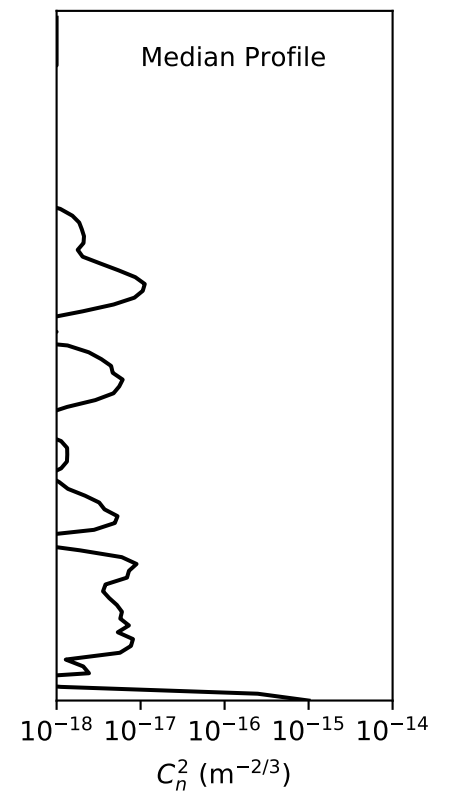
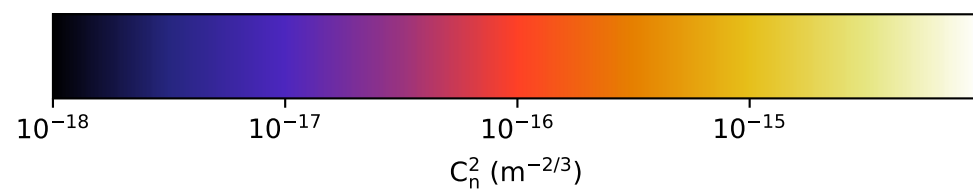
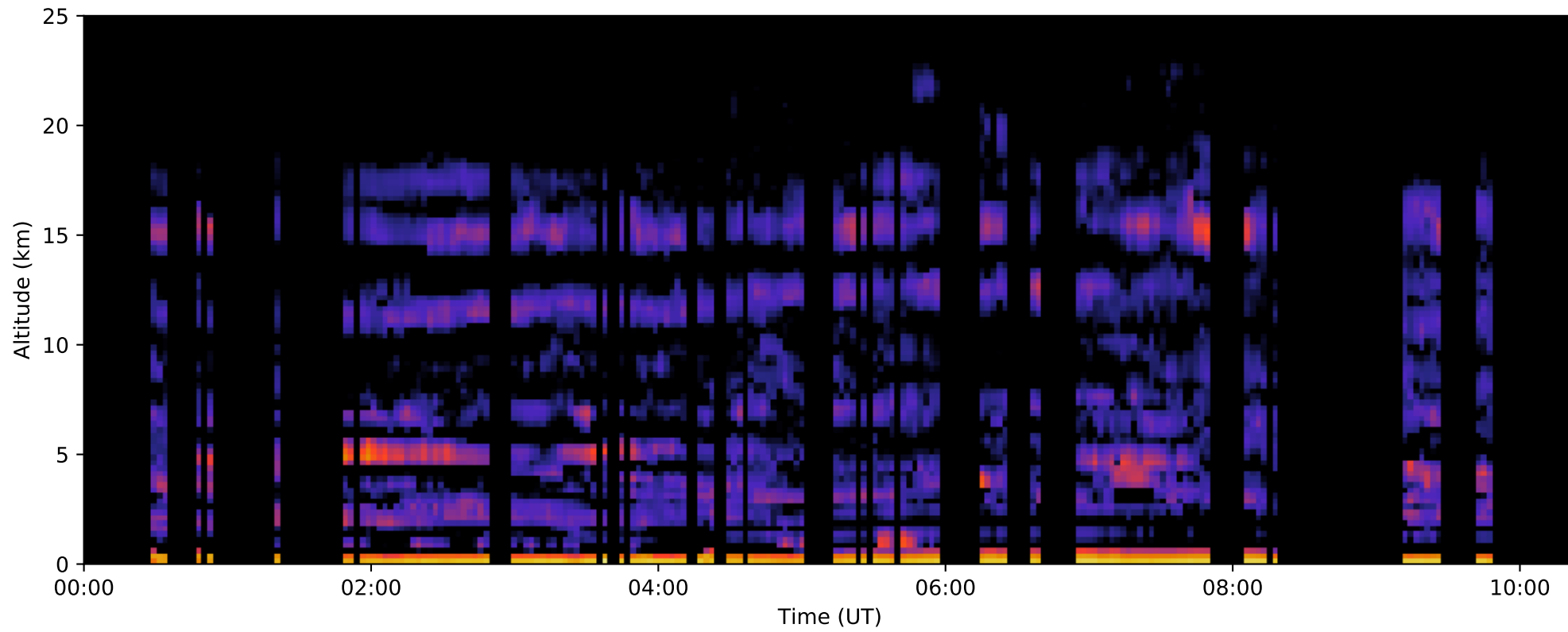


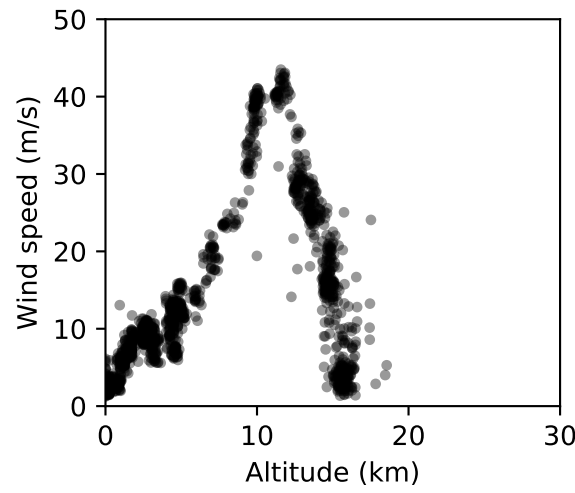
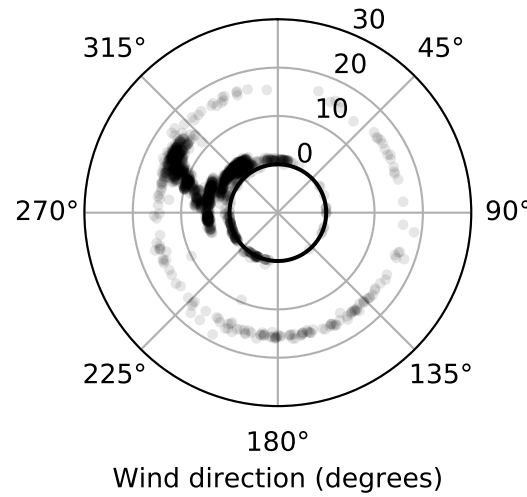
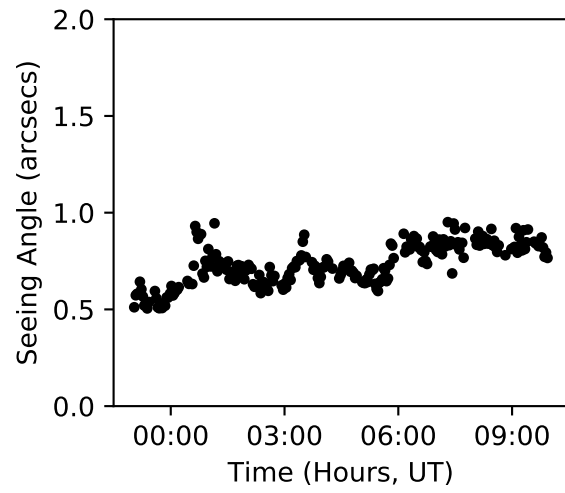
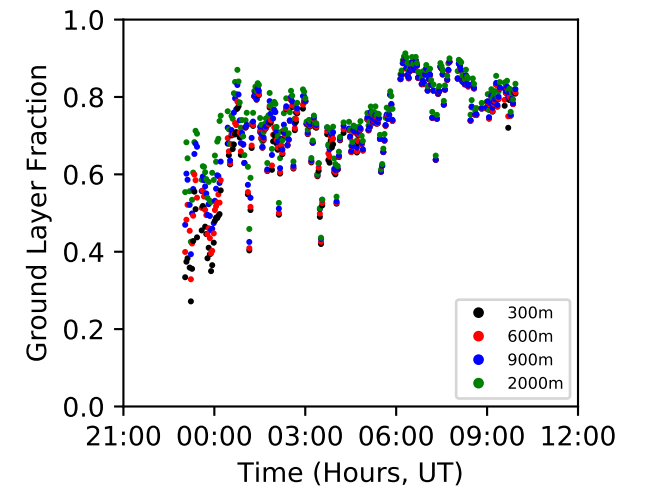
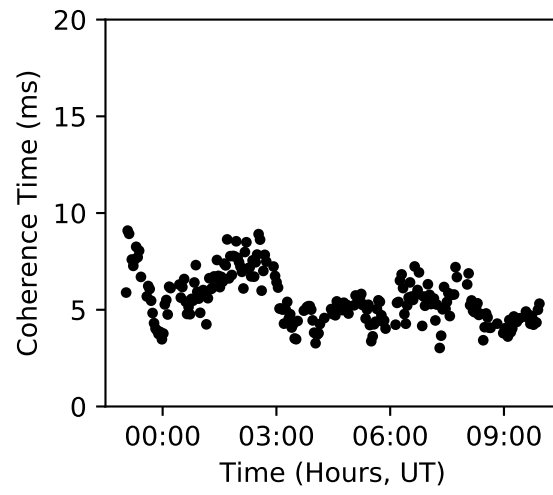
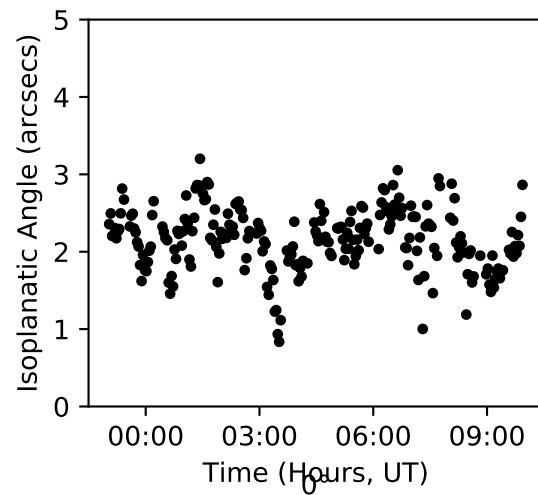
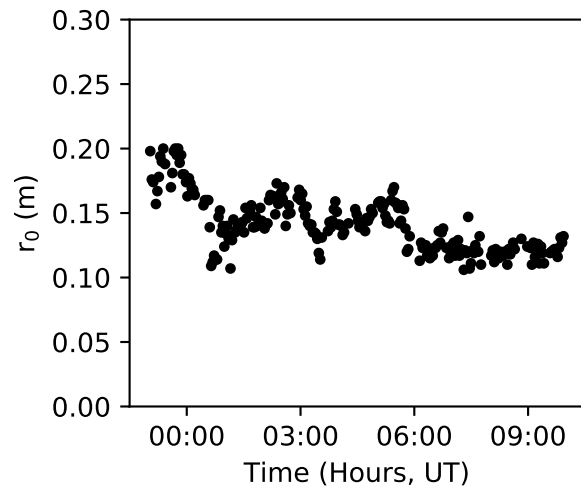
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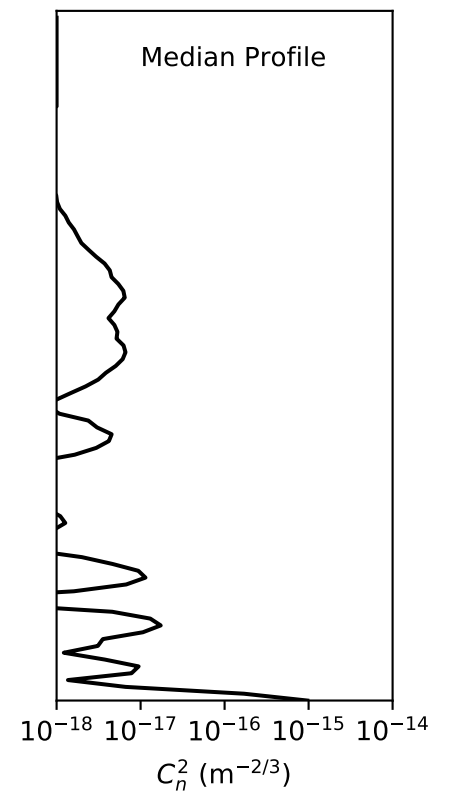
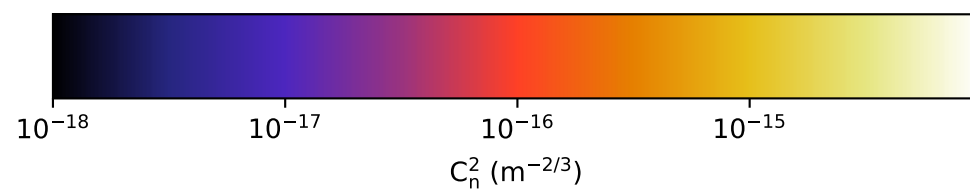
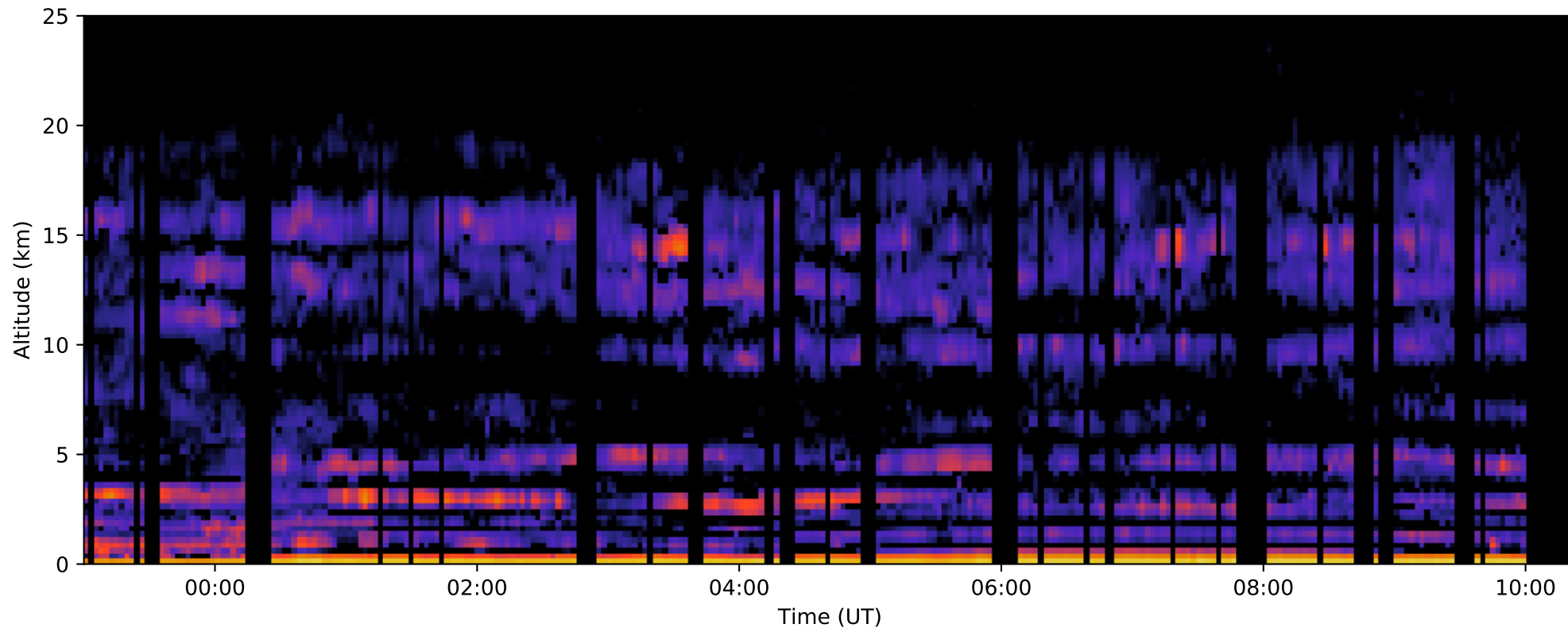


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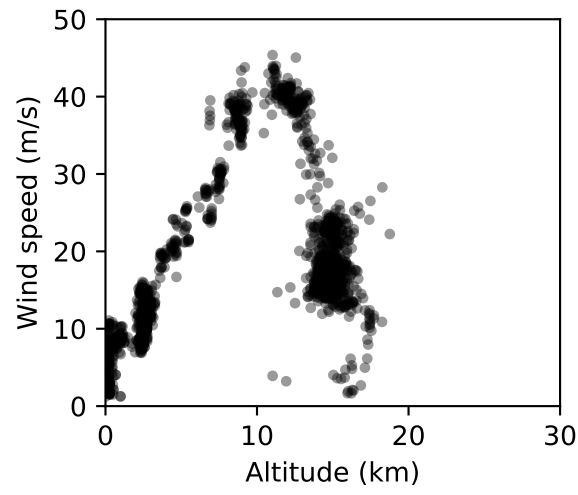
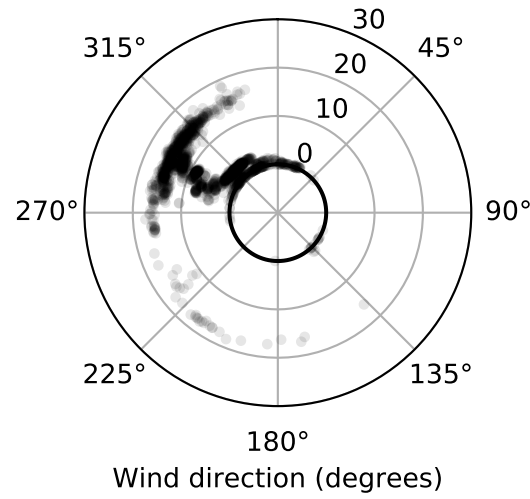
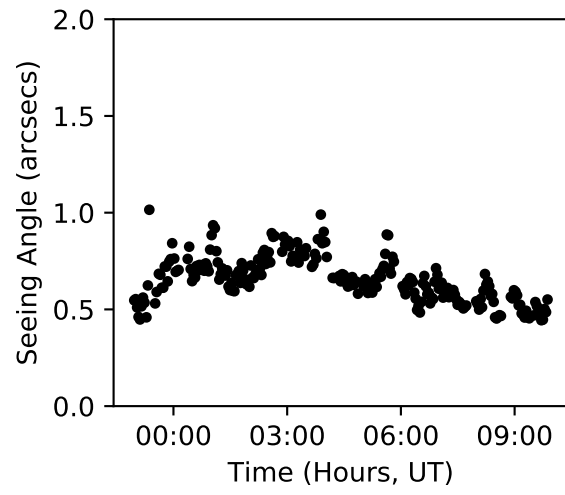
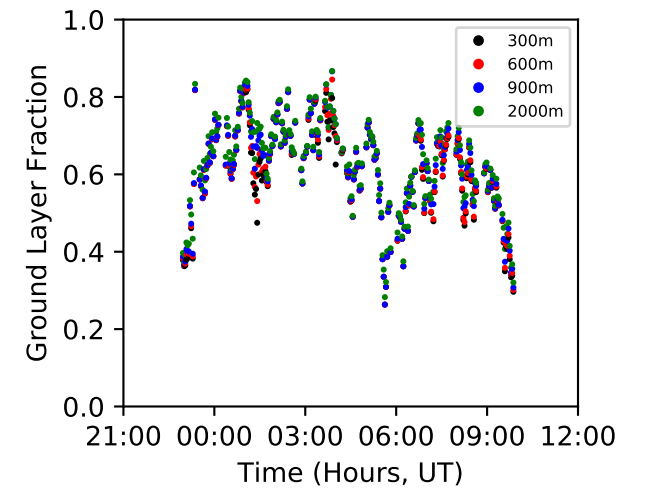
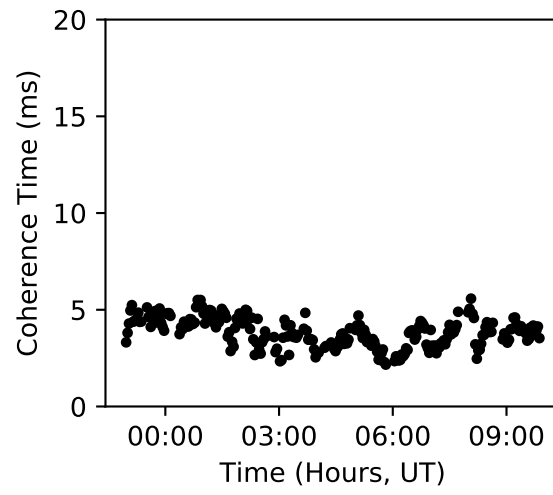
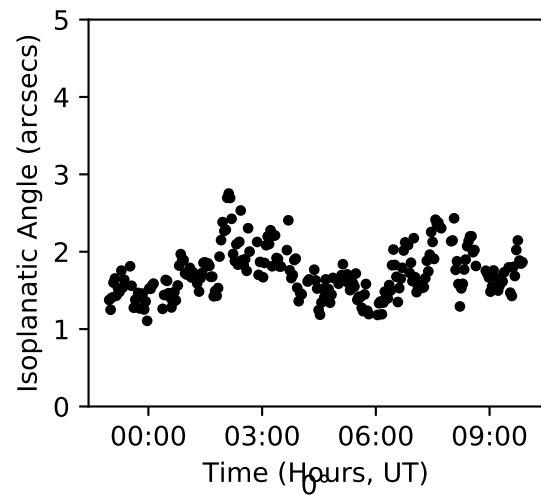
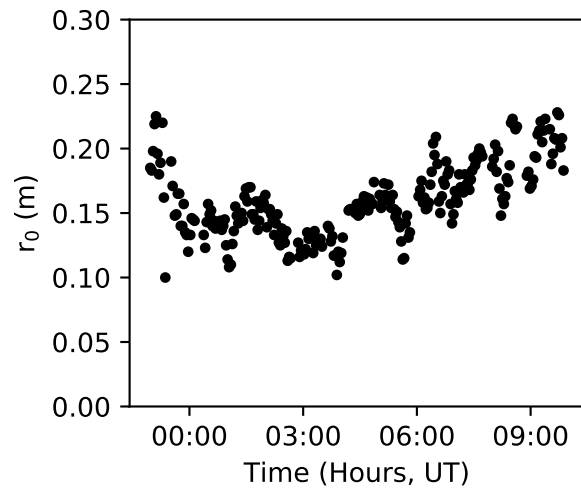




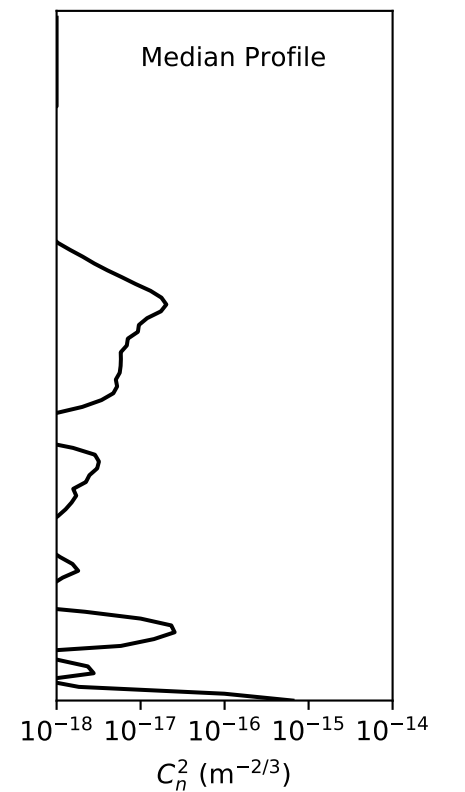
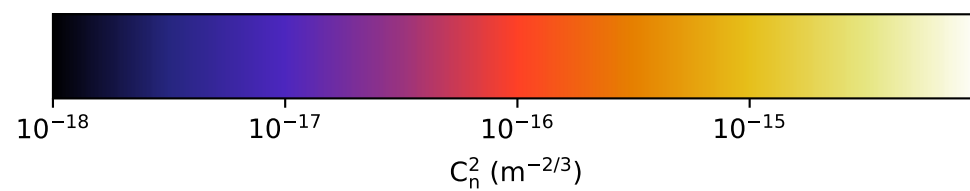
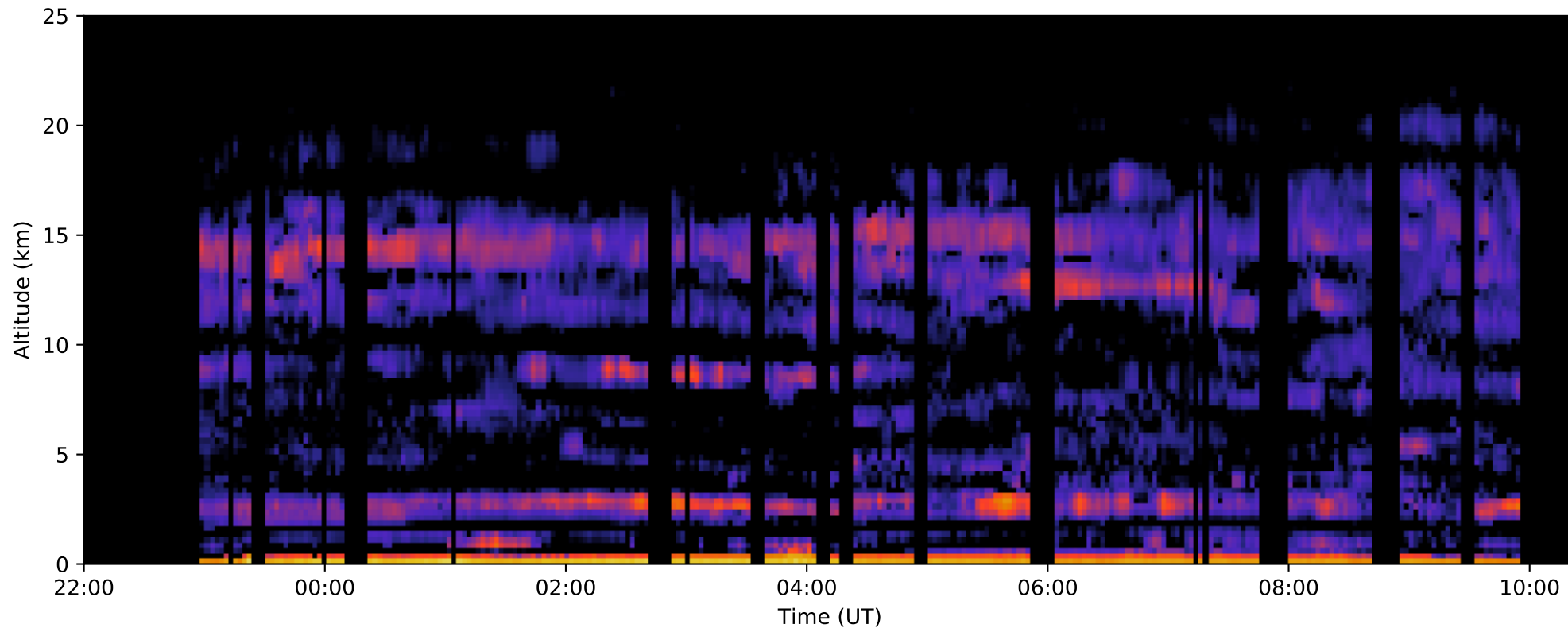
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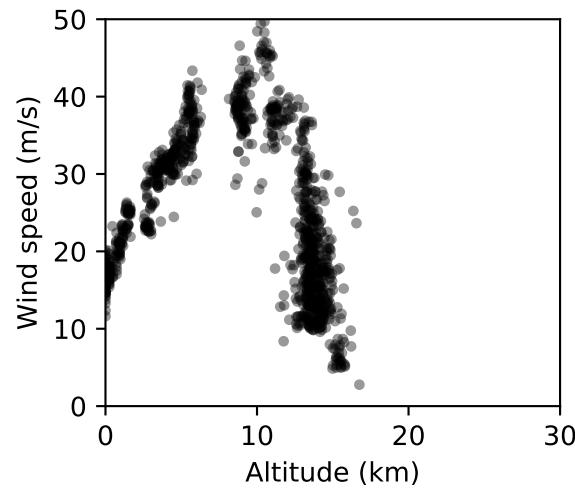
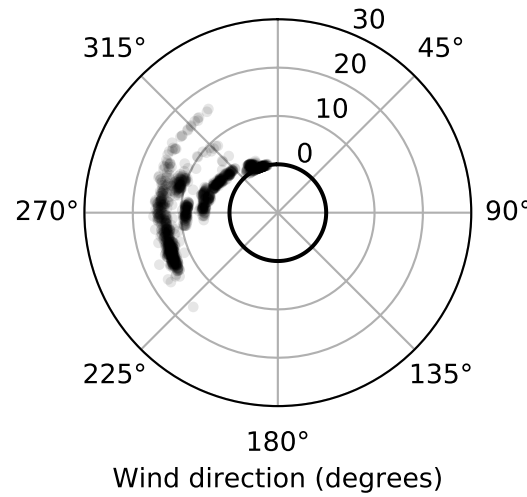
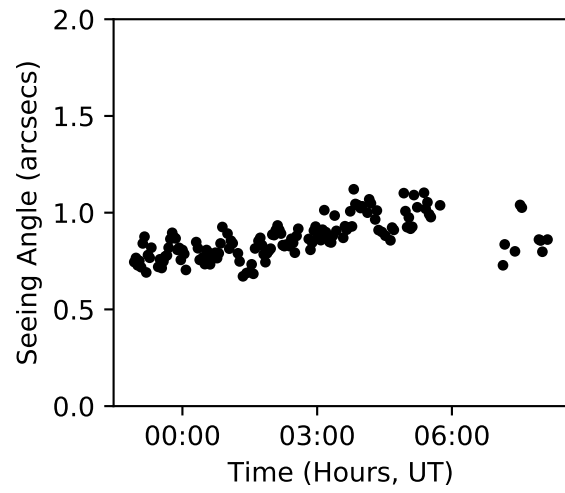
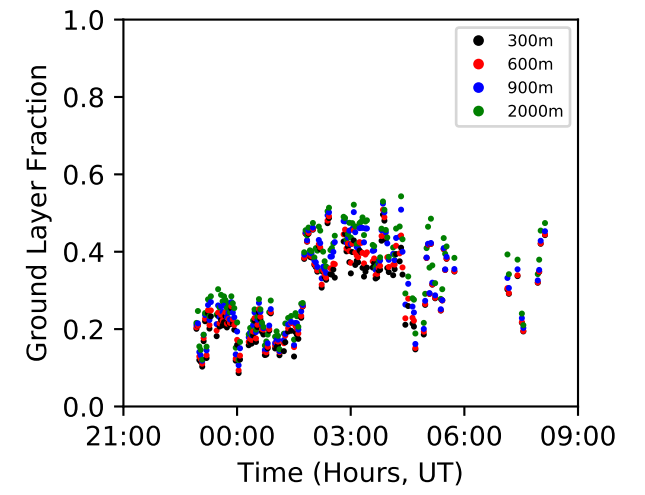
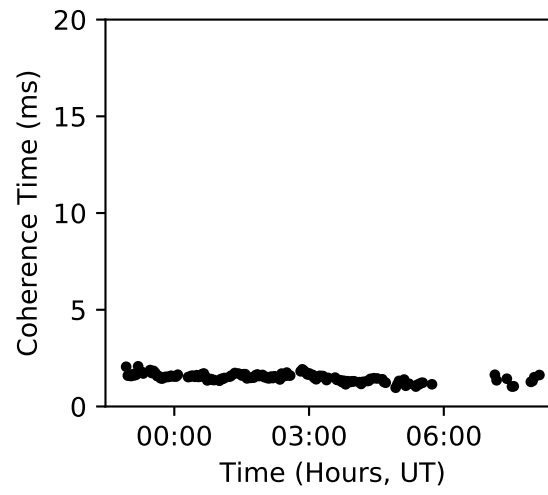
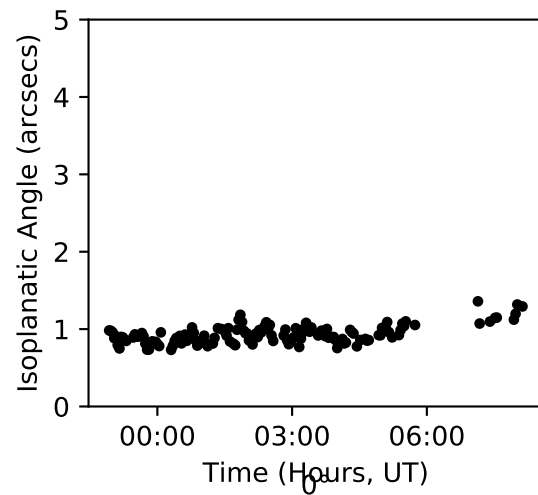
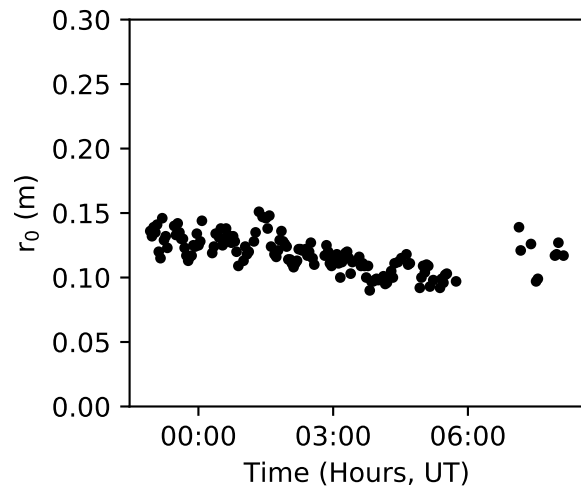




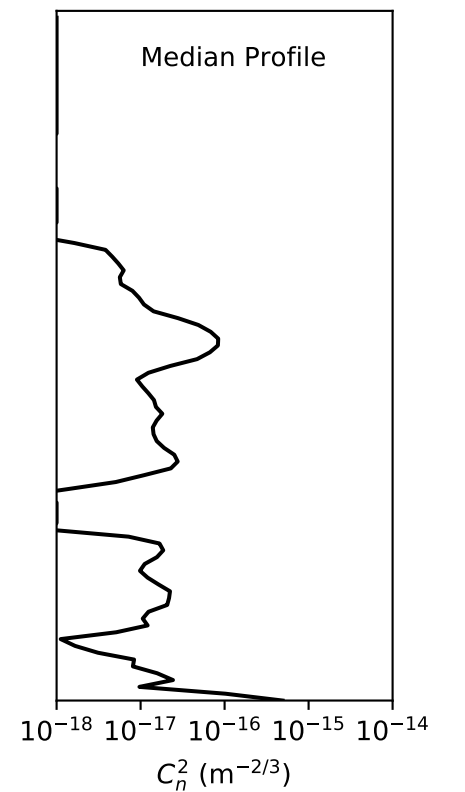
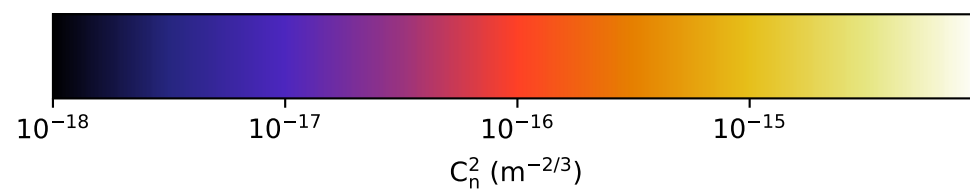
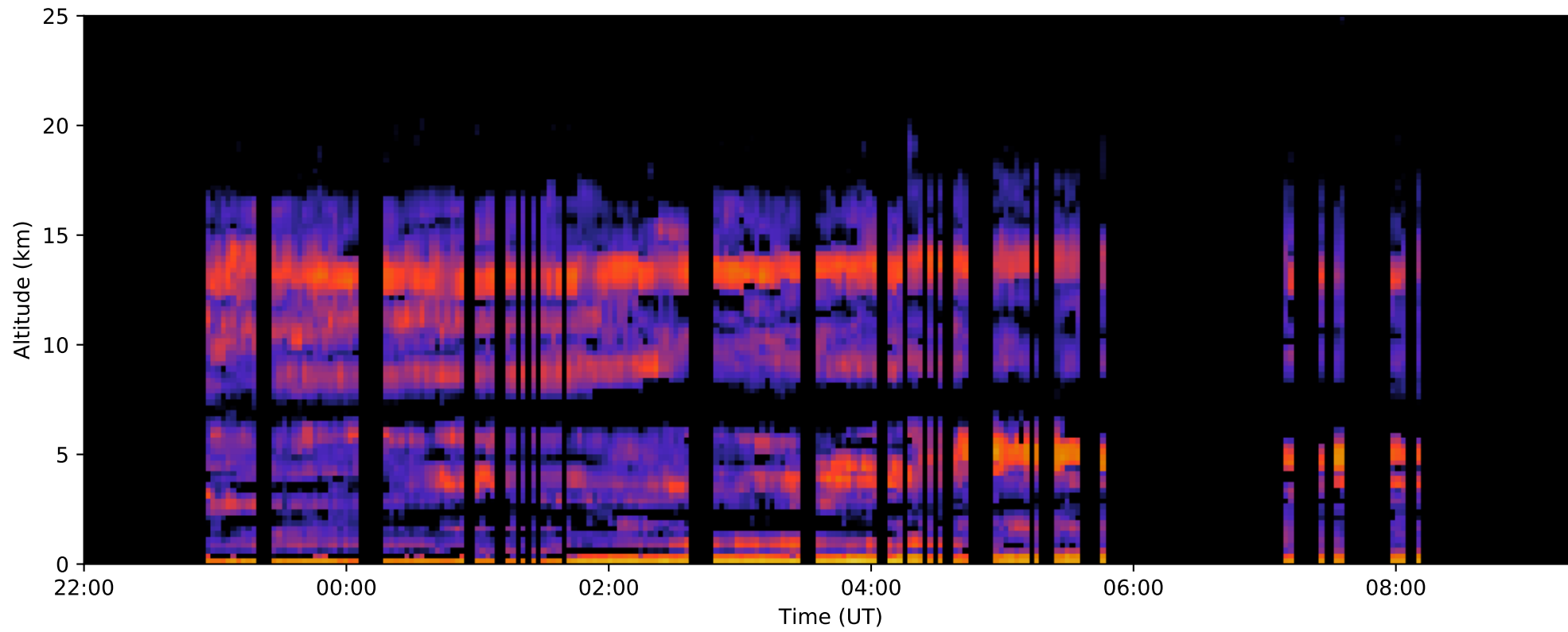


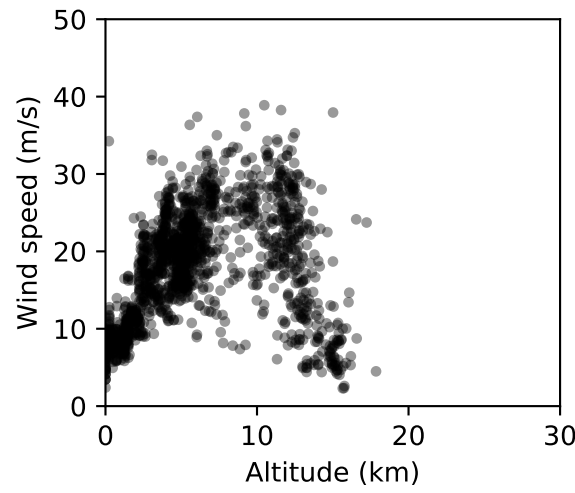
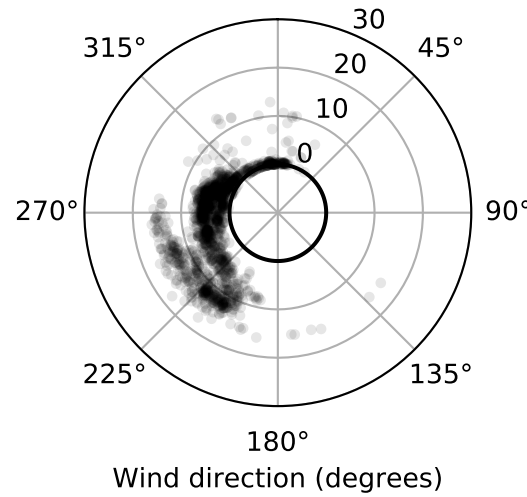
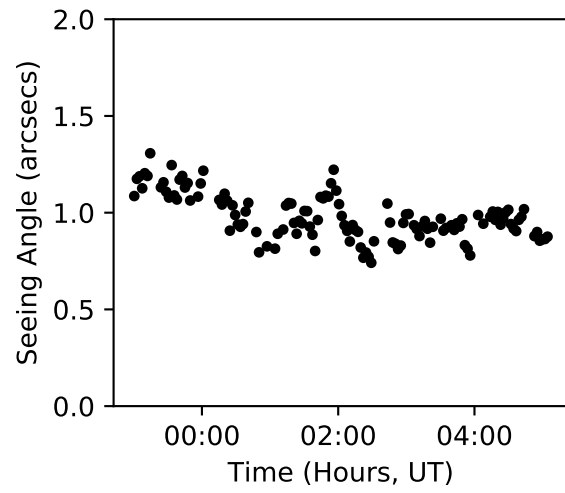
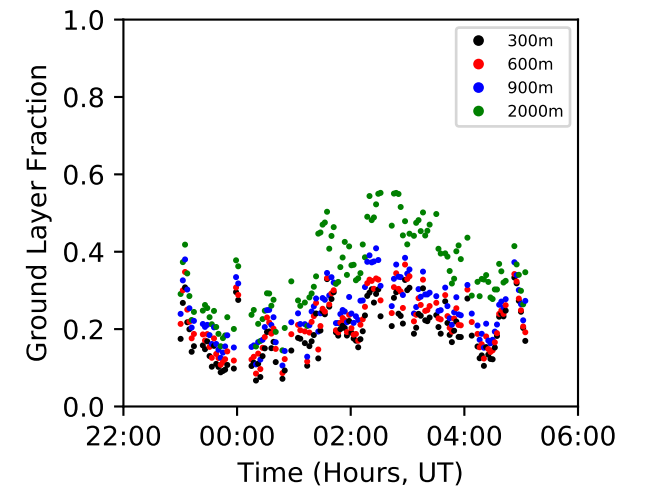
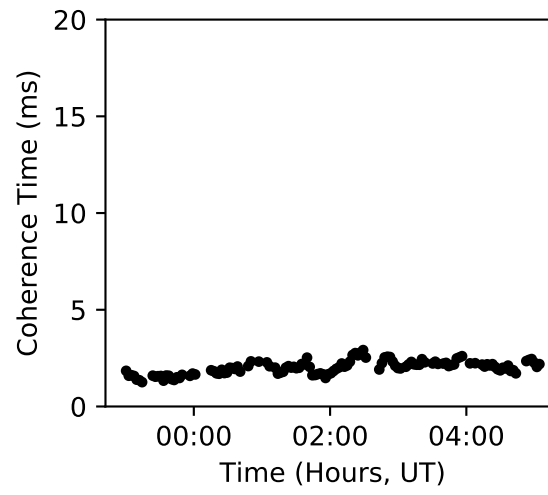
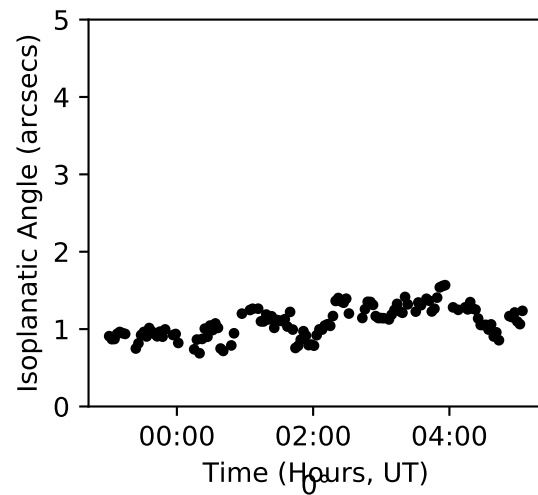
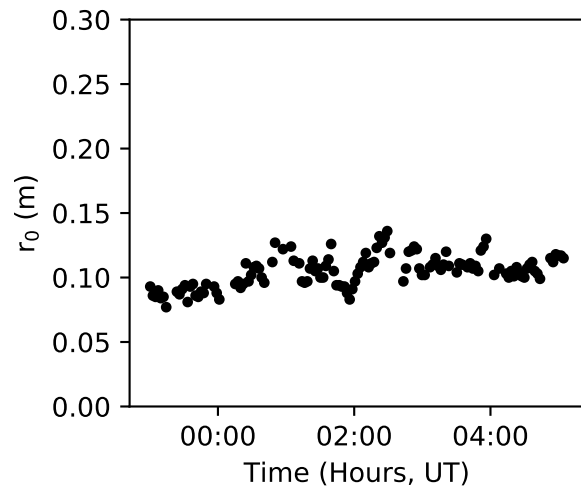
### 2017/04/16



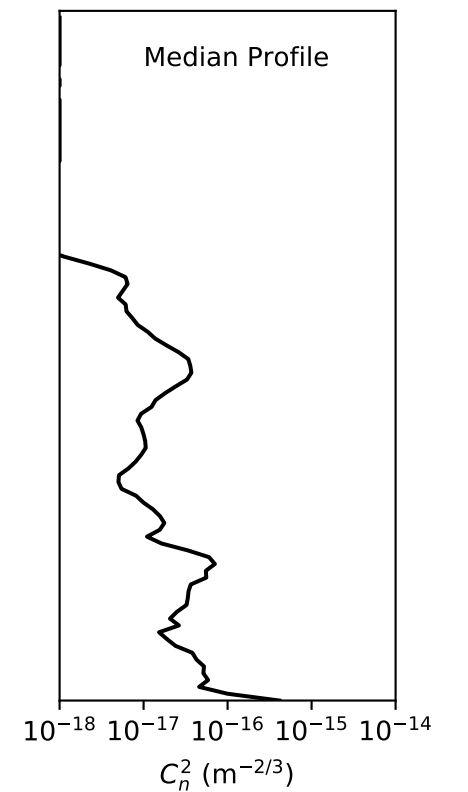
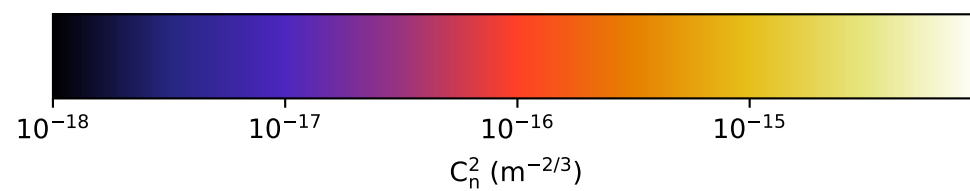
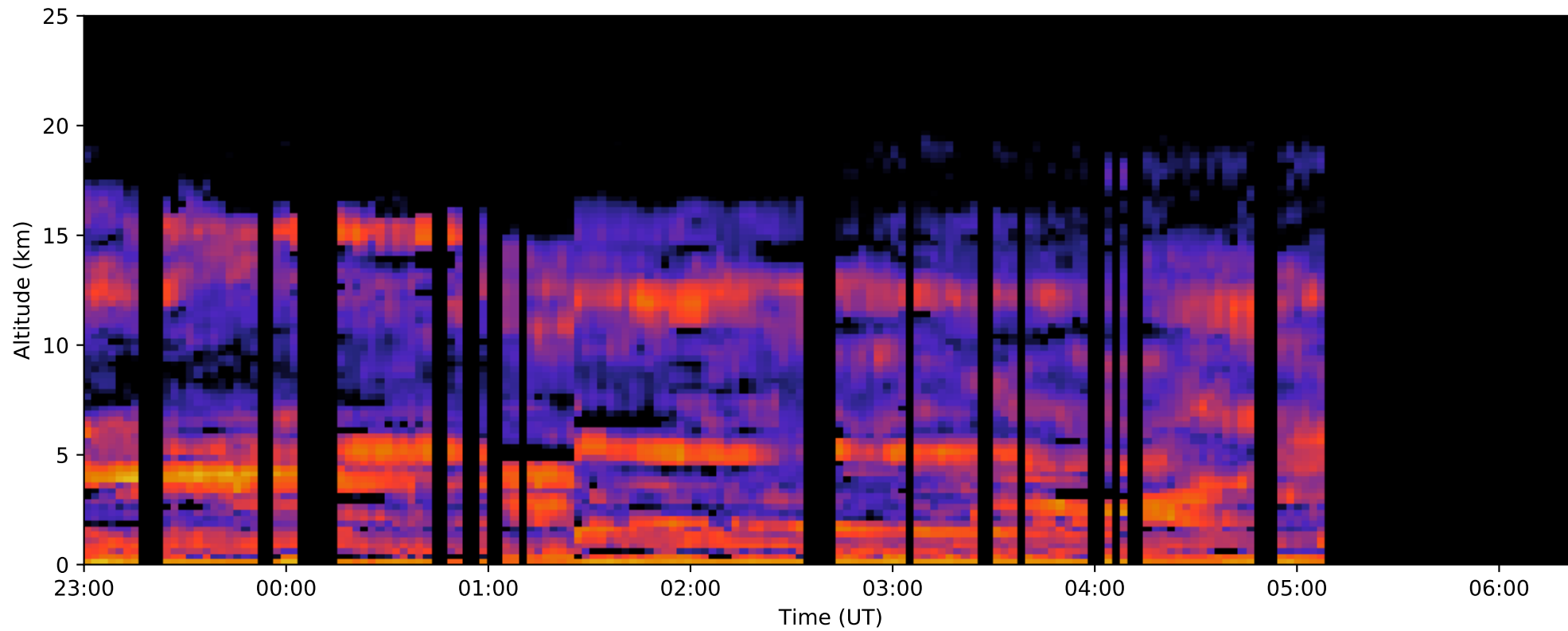


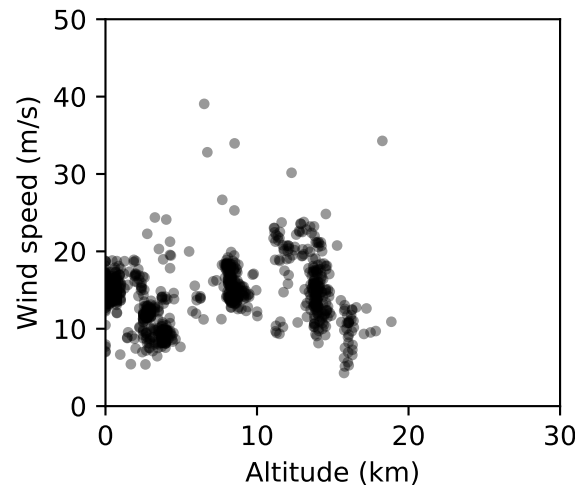
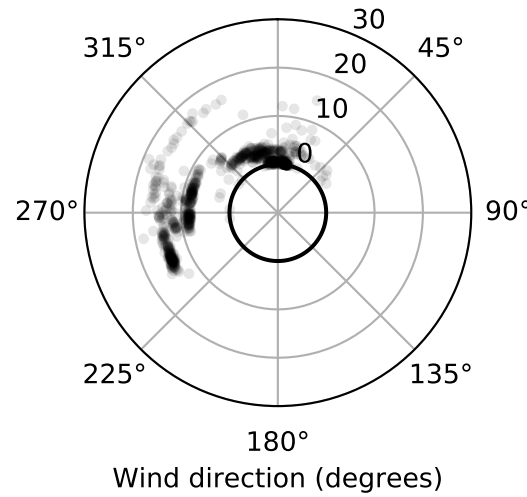
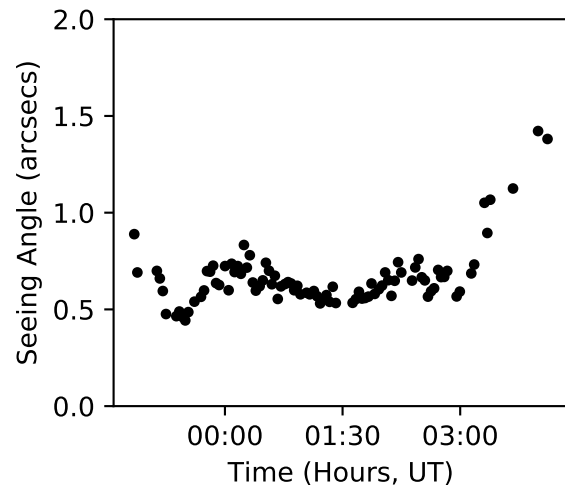
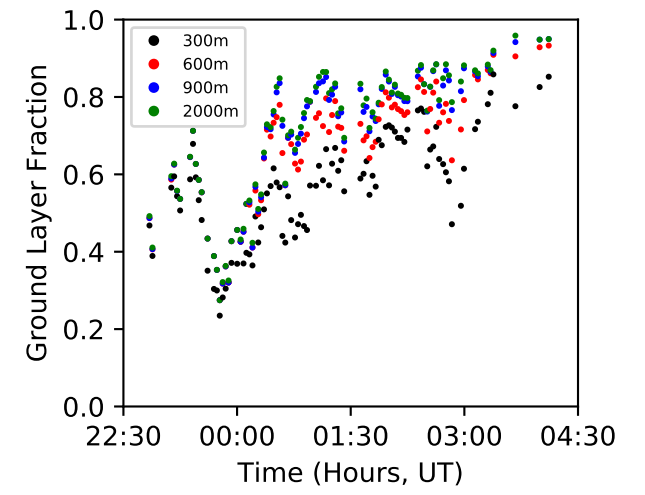
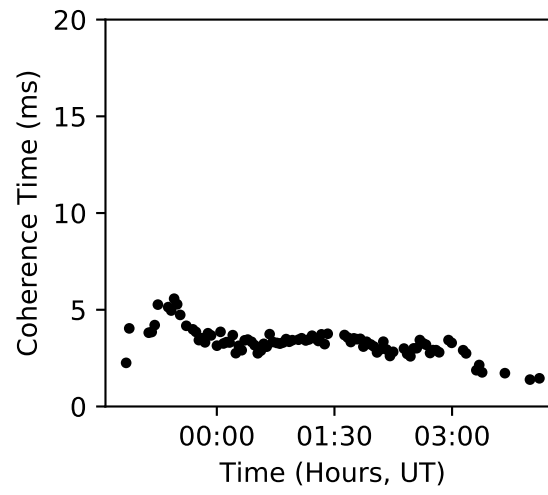
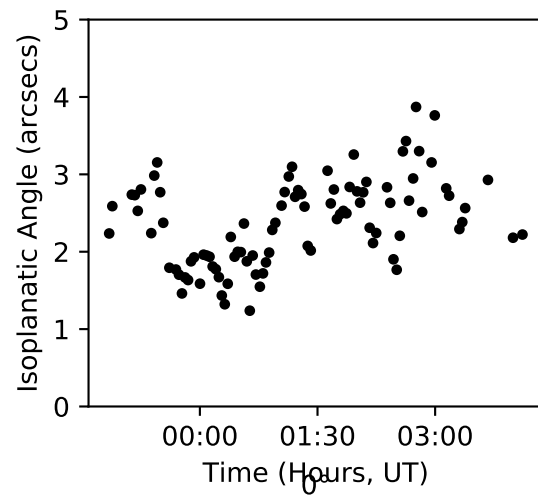
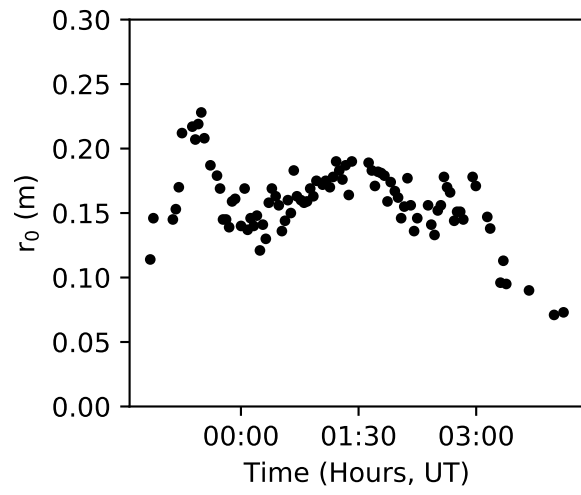
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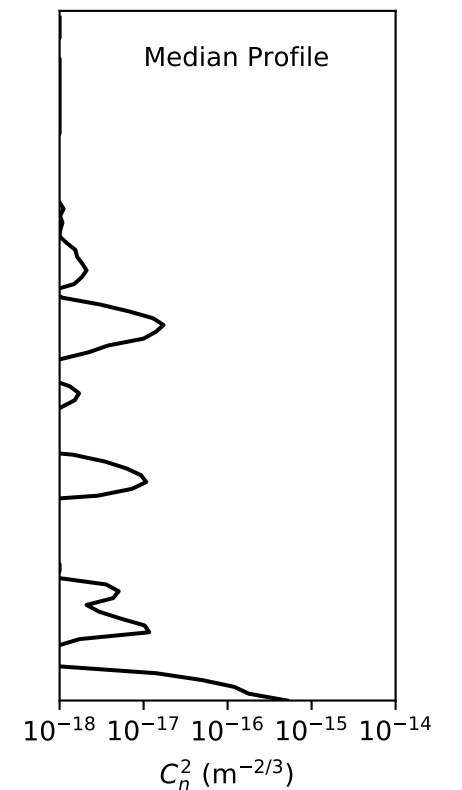
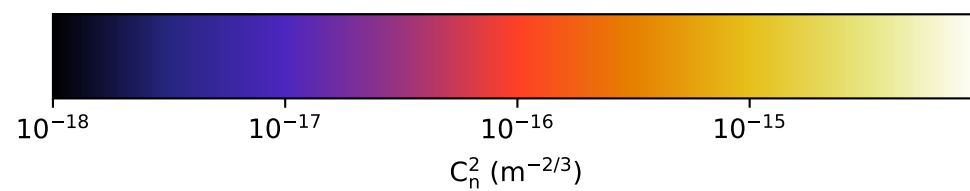
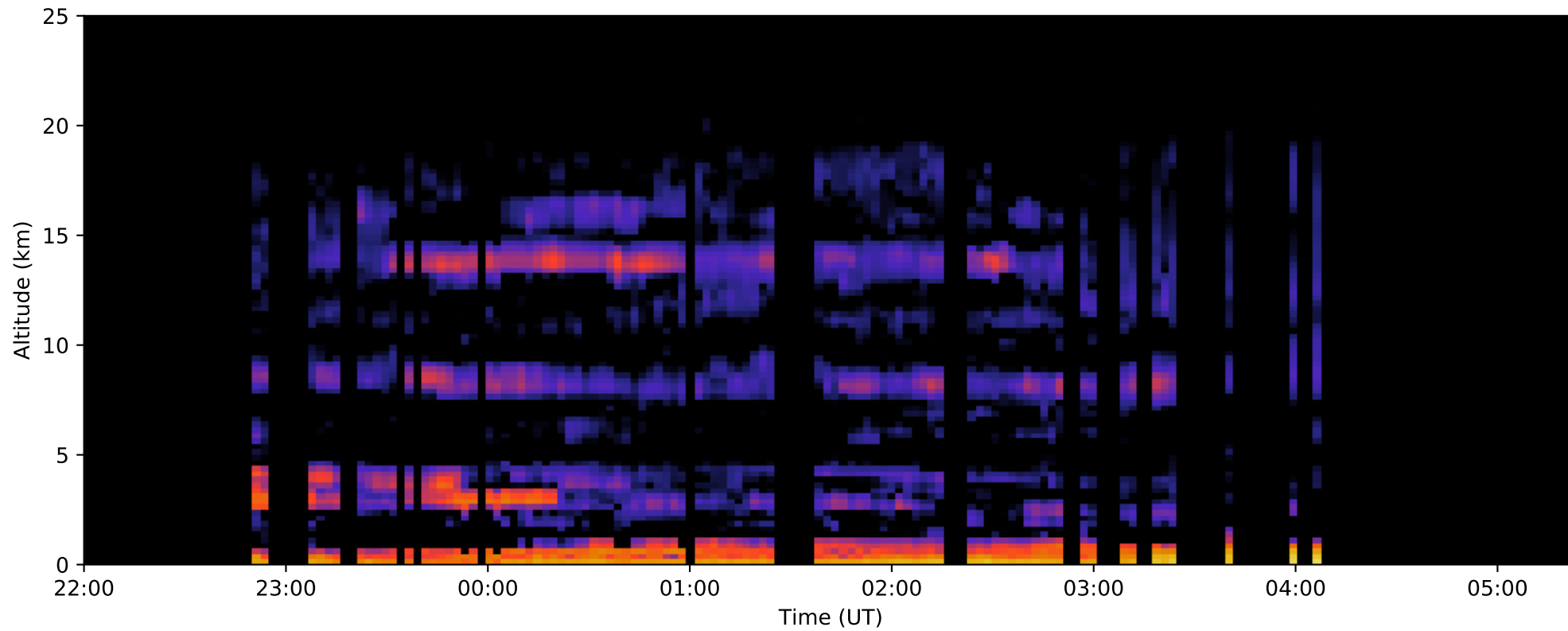


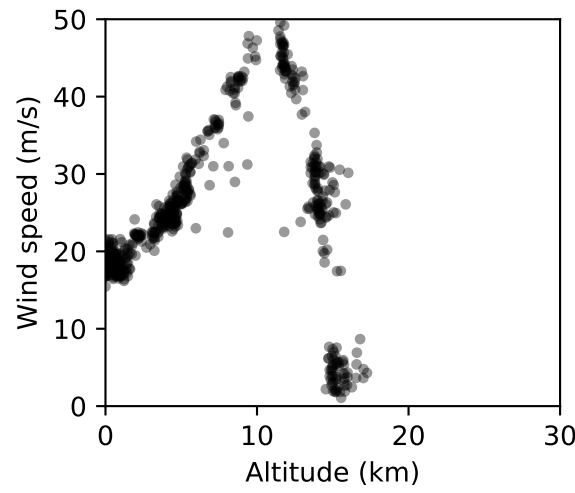
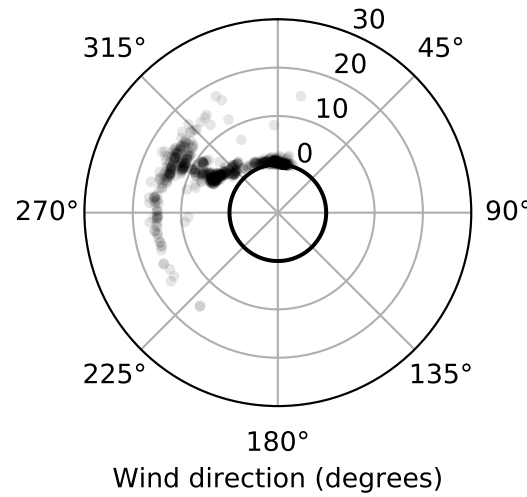
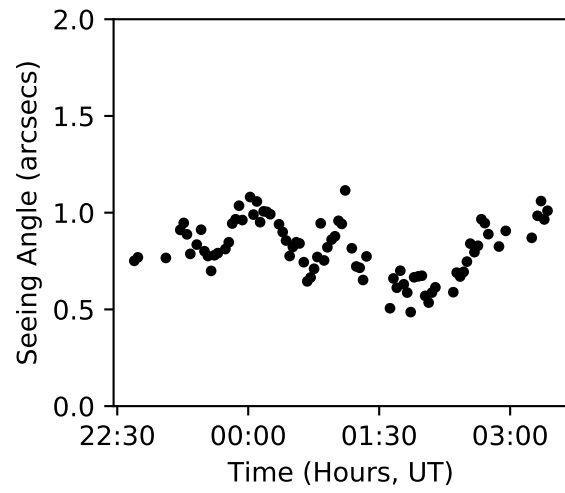
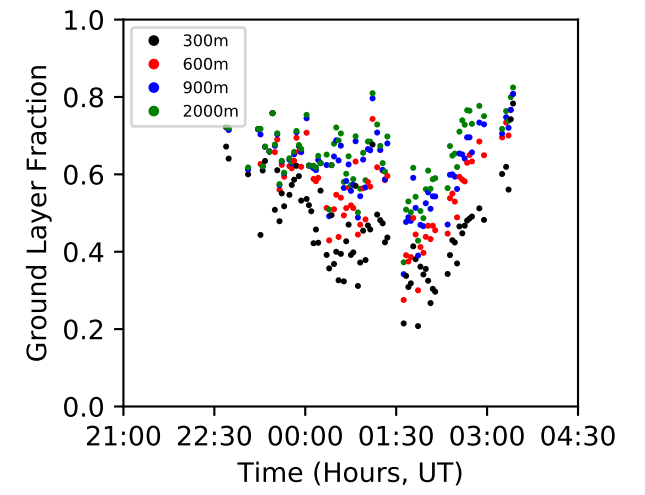
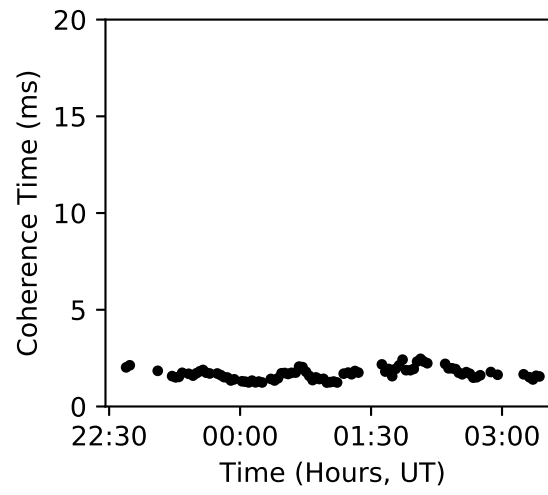
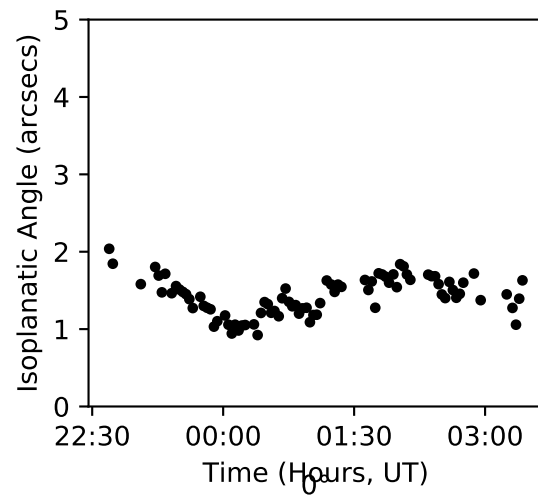
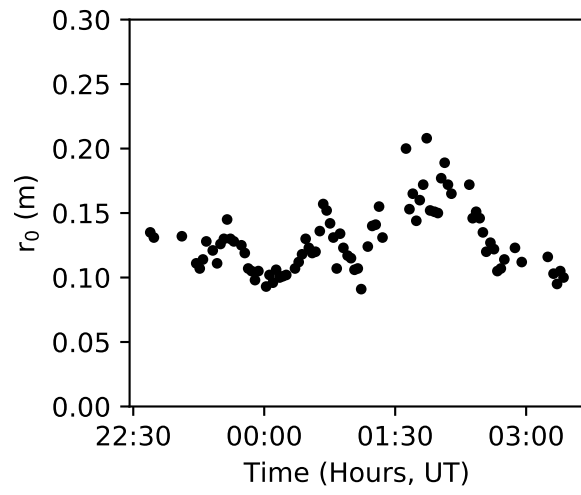
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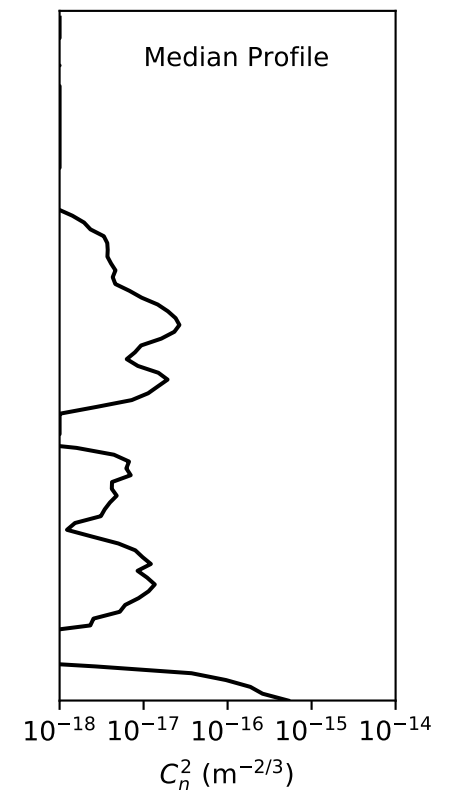
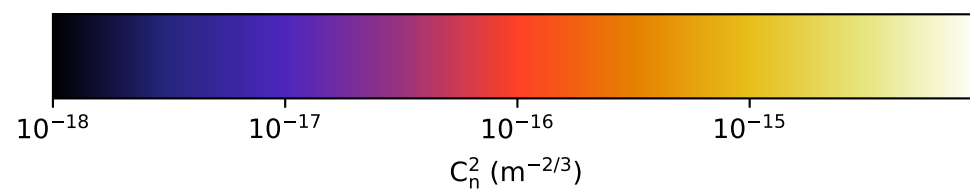
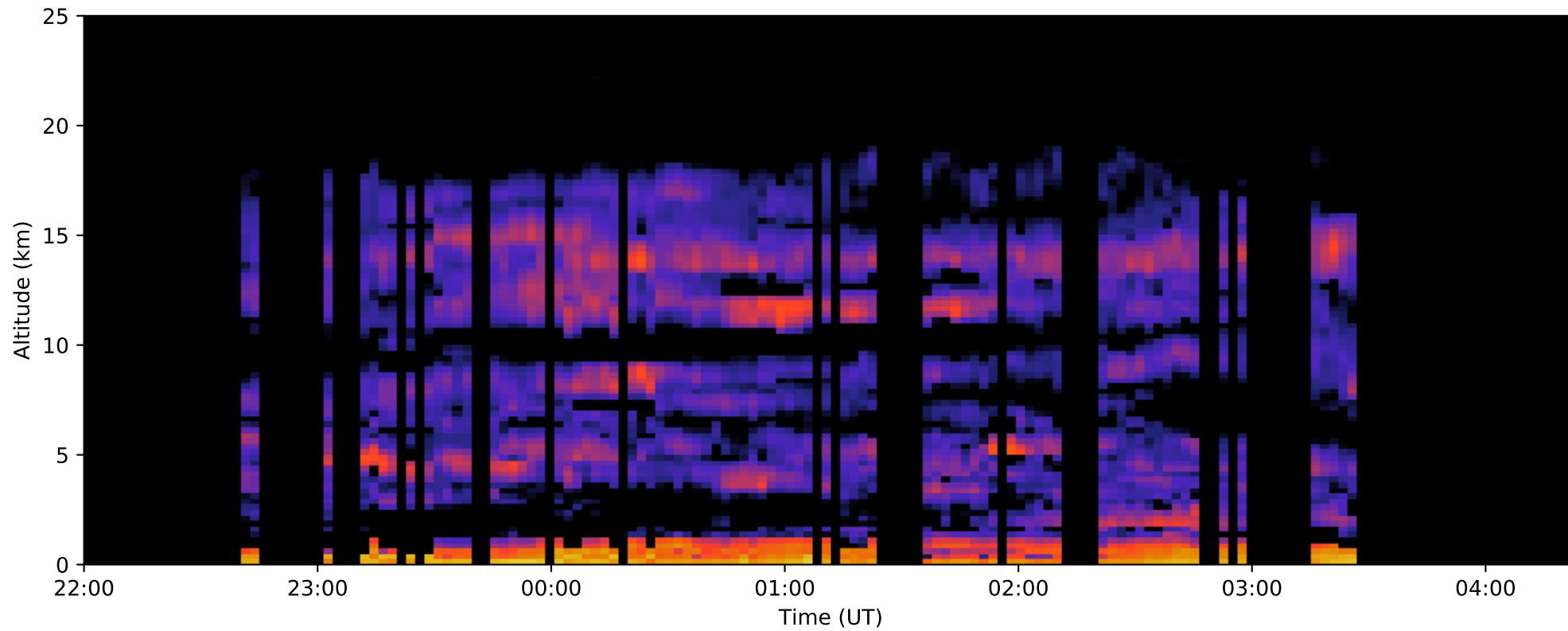


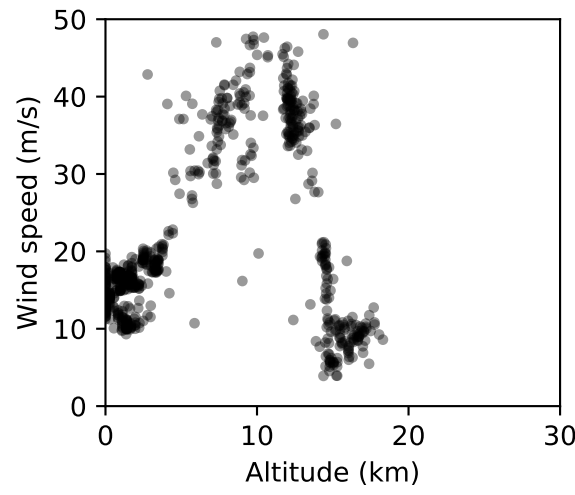
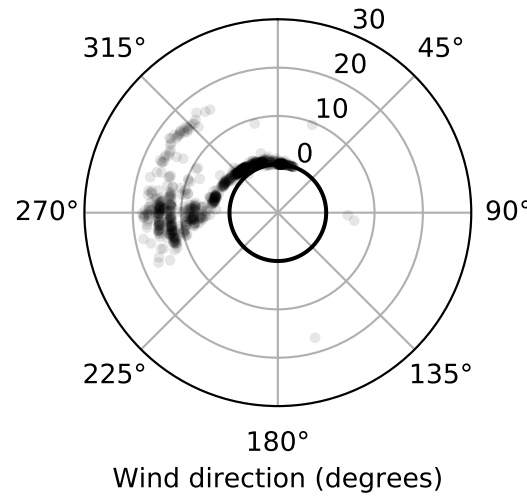
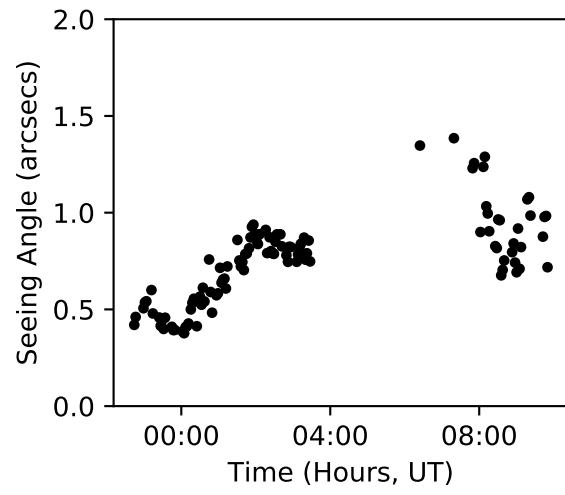
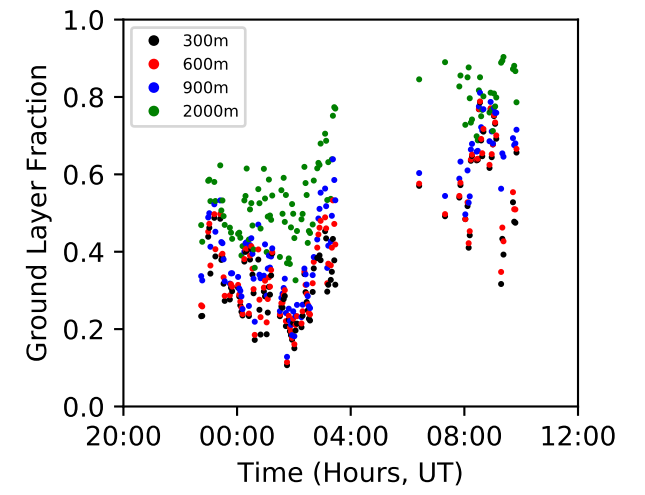
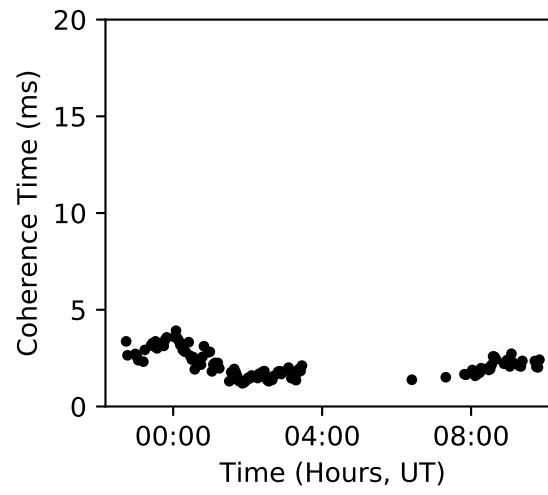
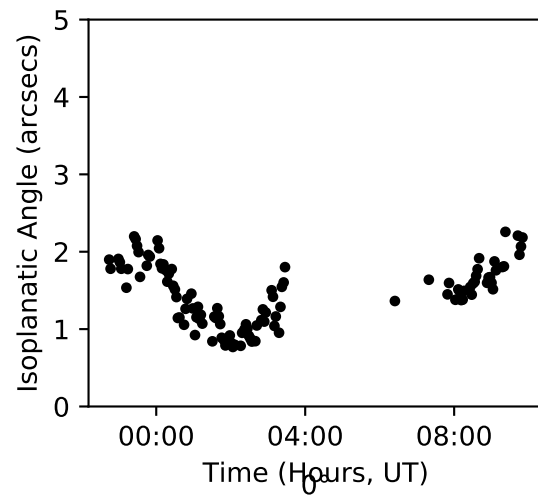
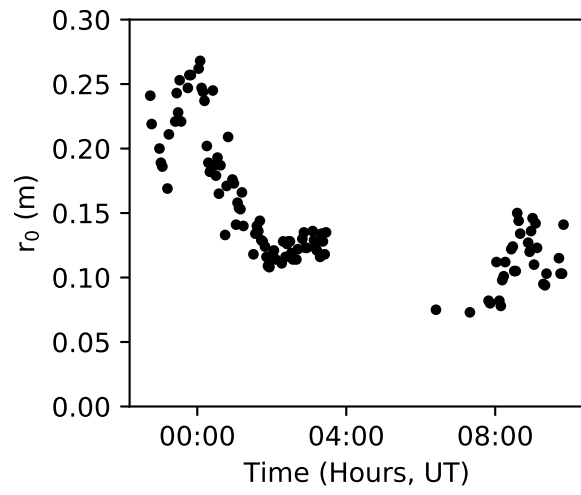
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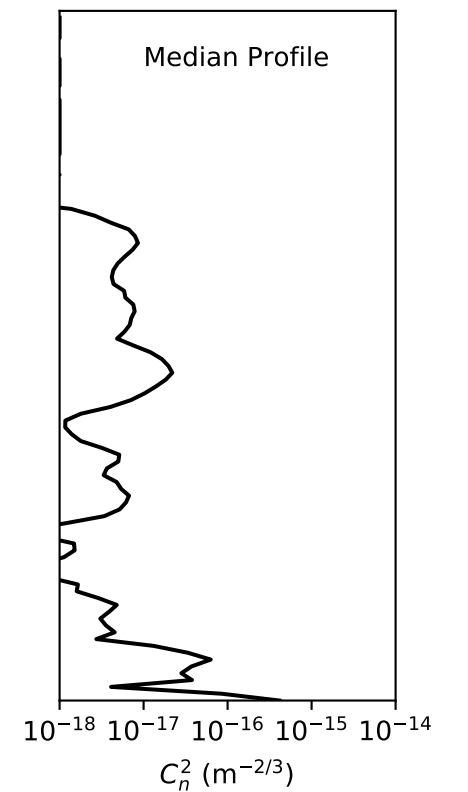
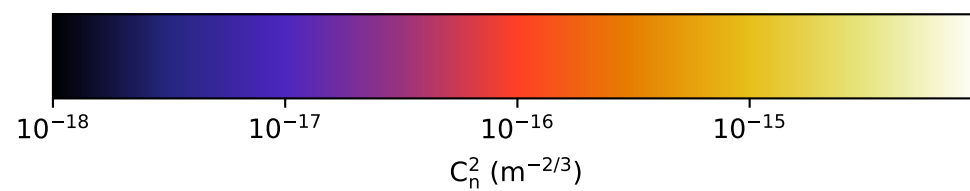
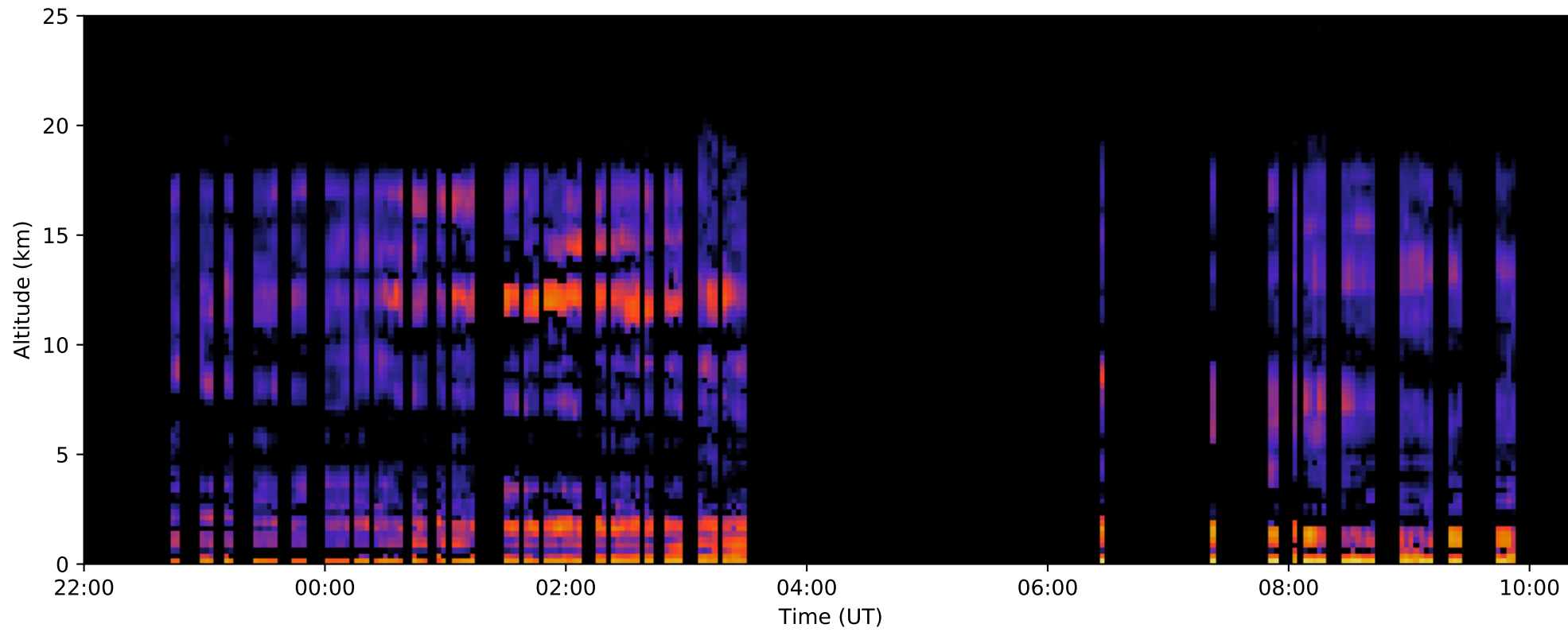


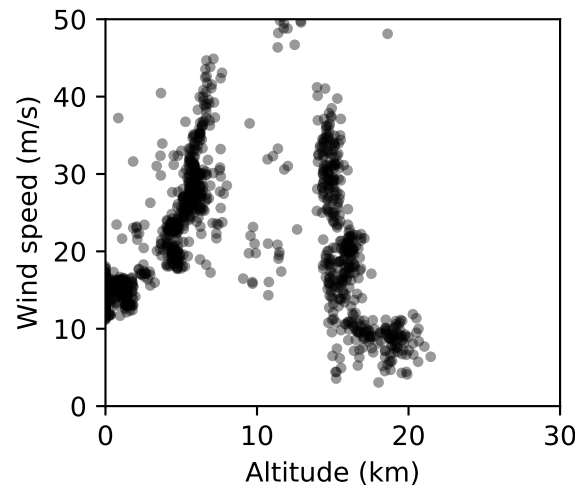
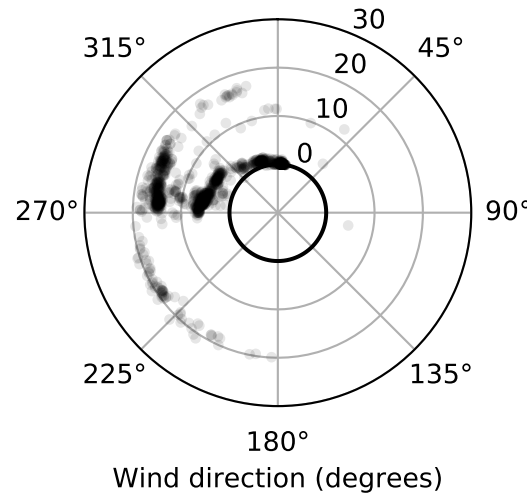
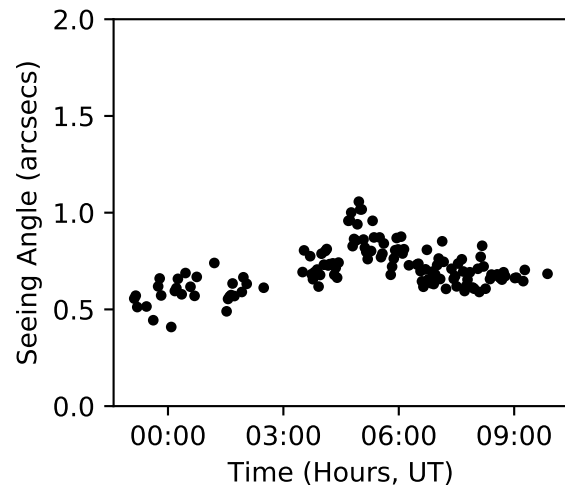
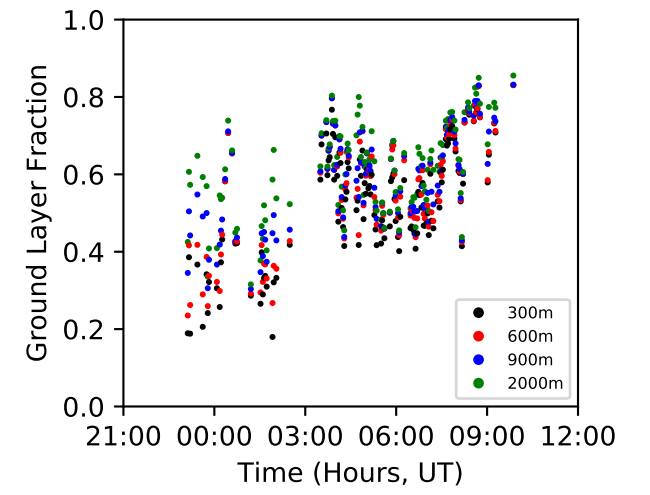
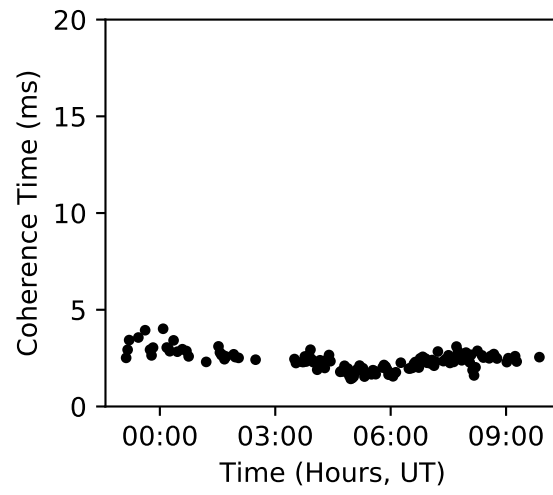
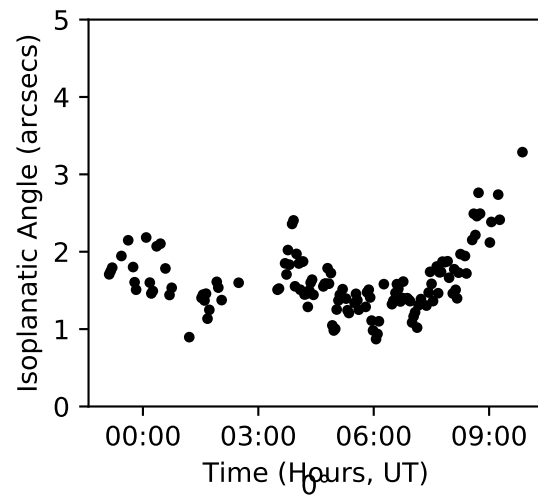
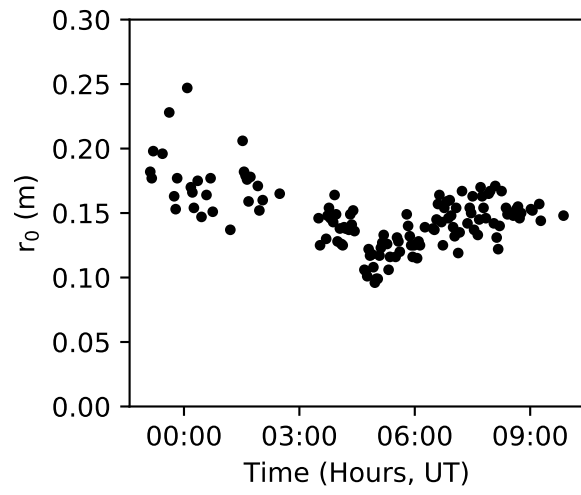
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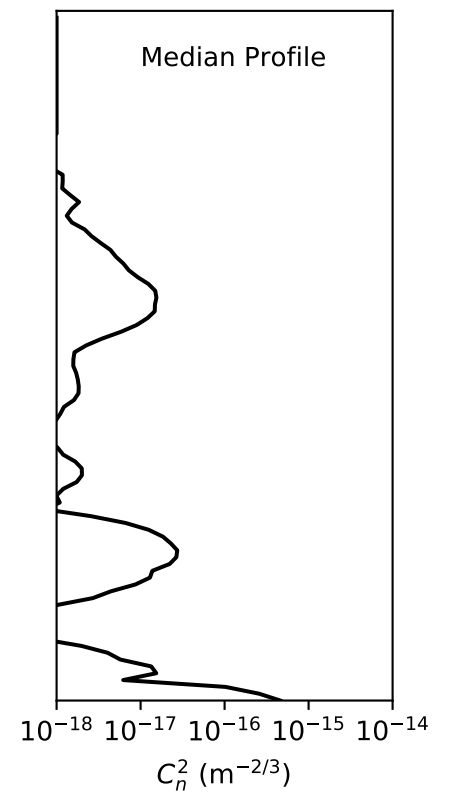
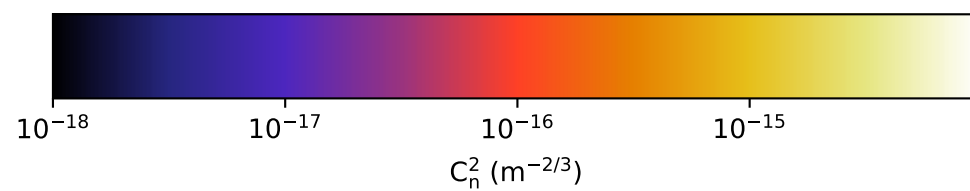
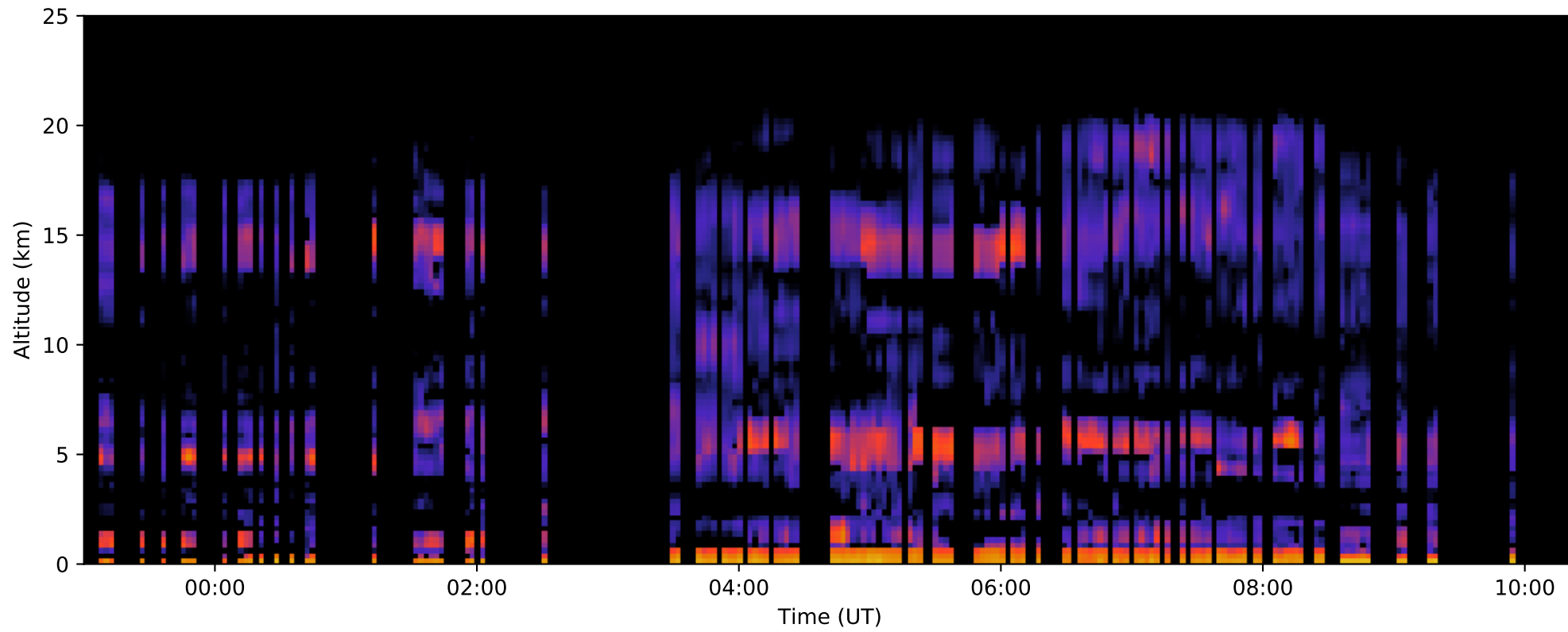


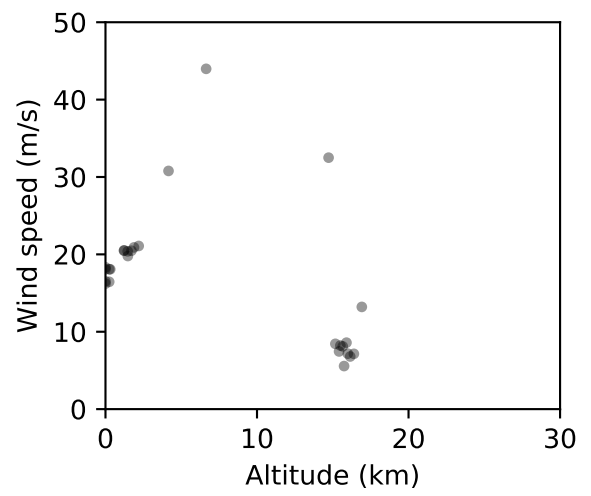
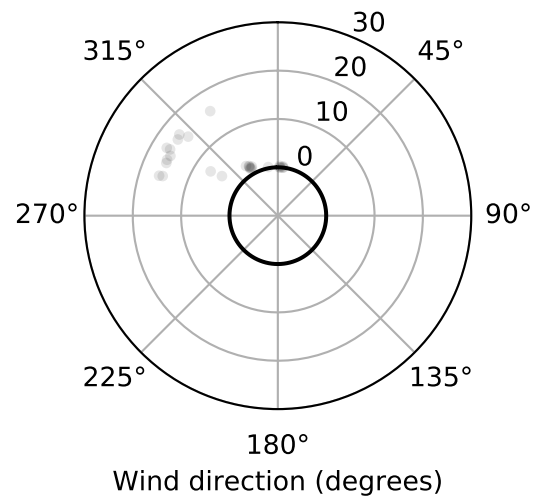
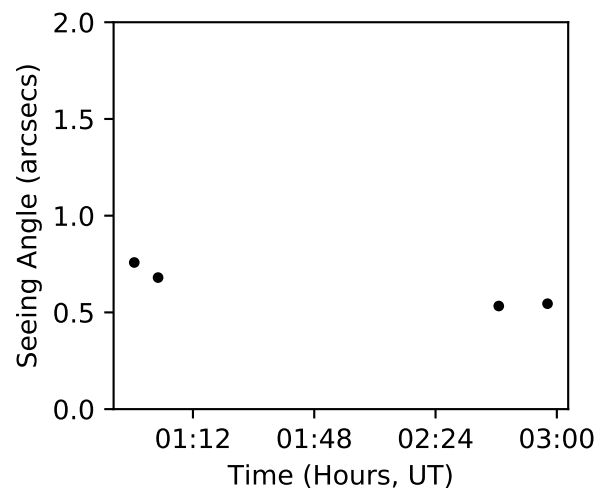
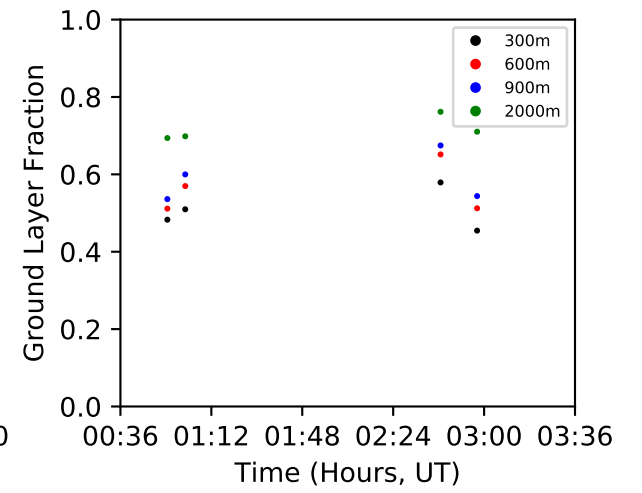
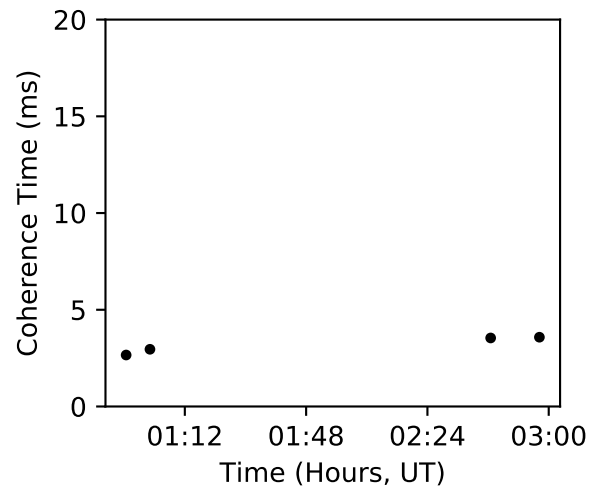
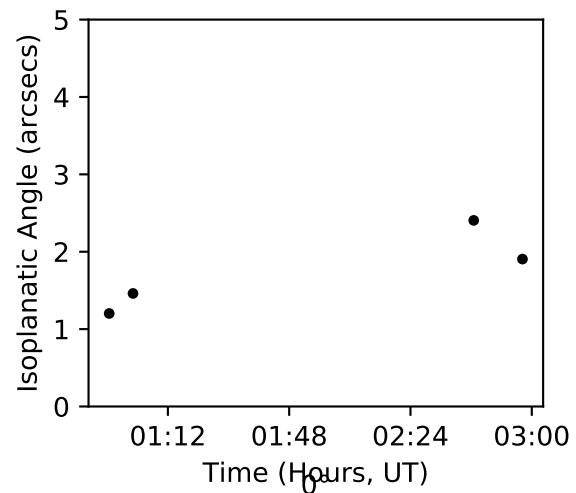
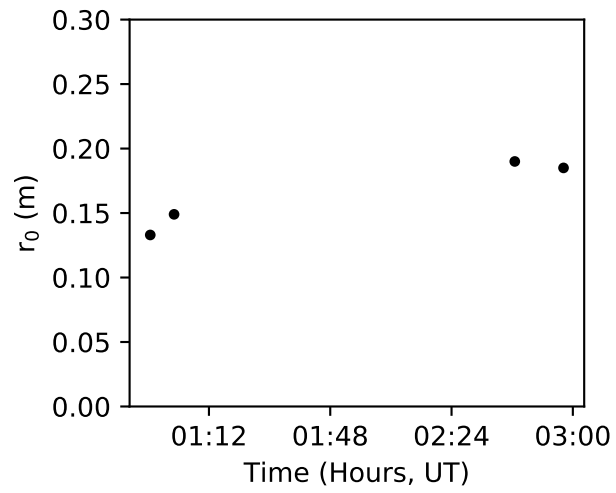
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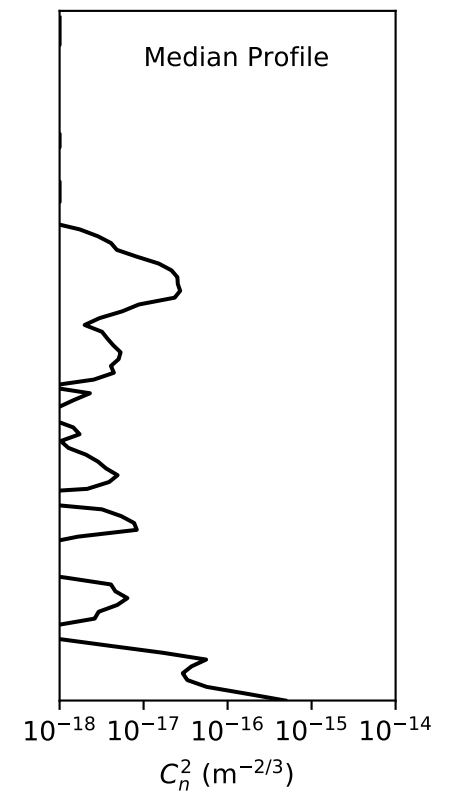
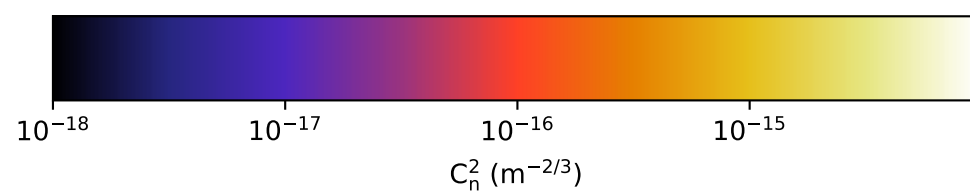
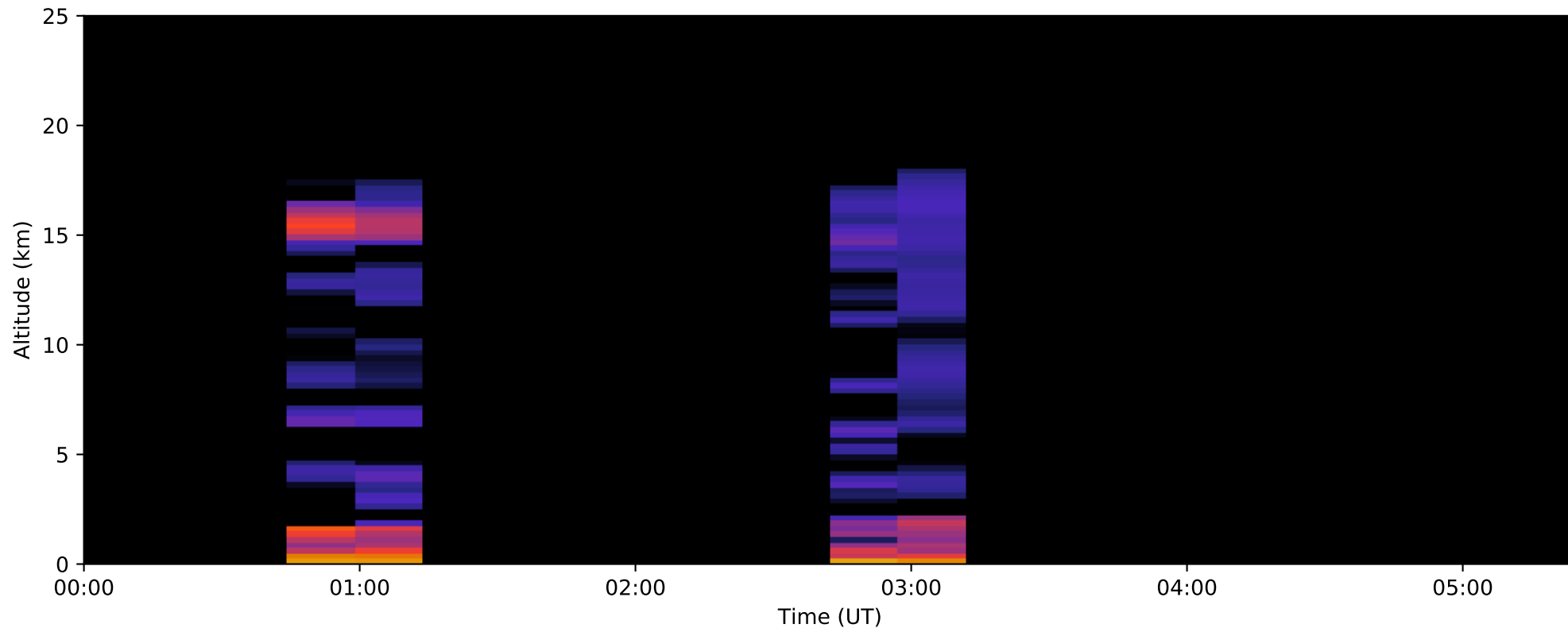


### 2017/05/08

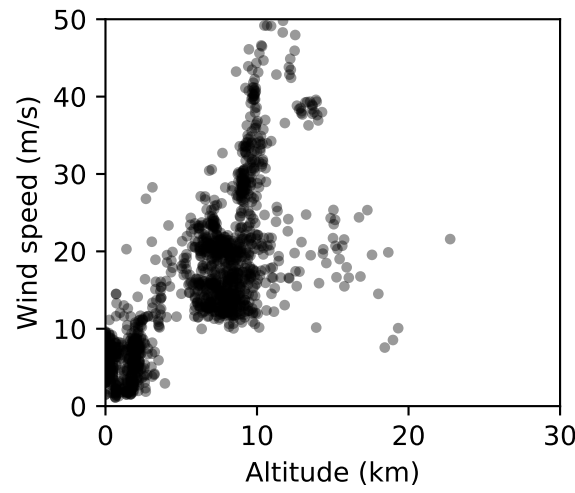
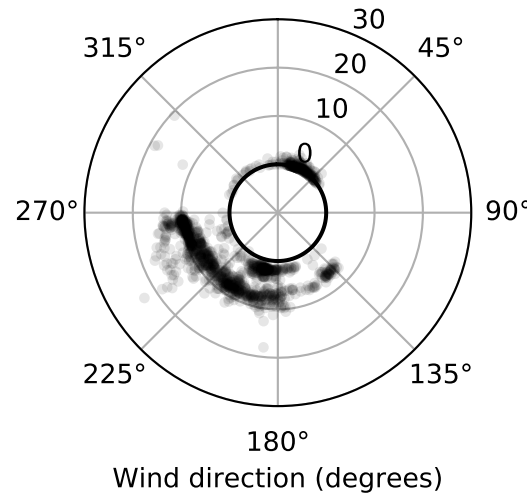
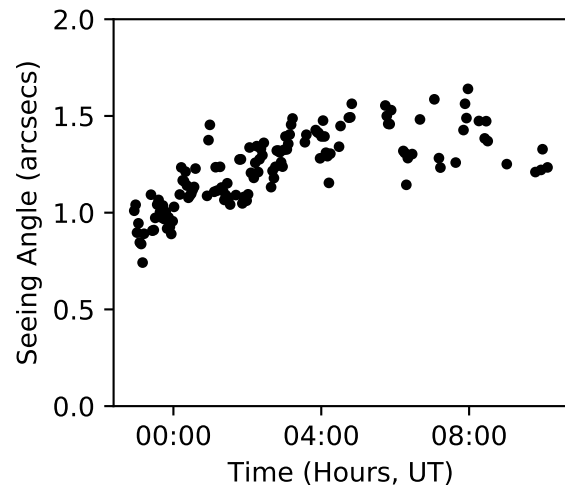
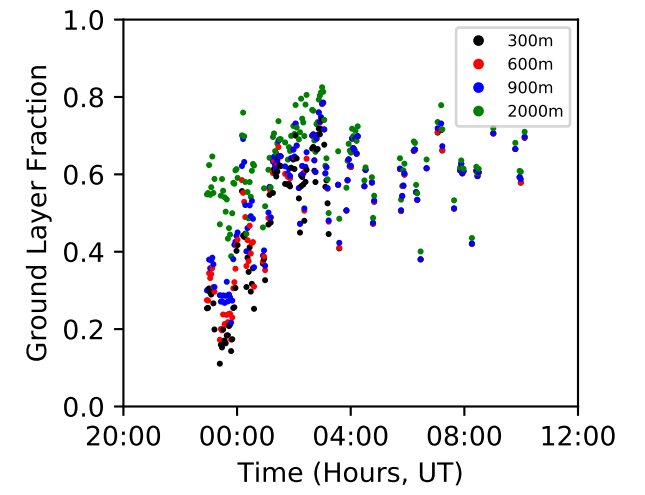
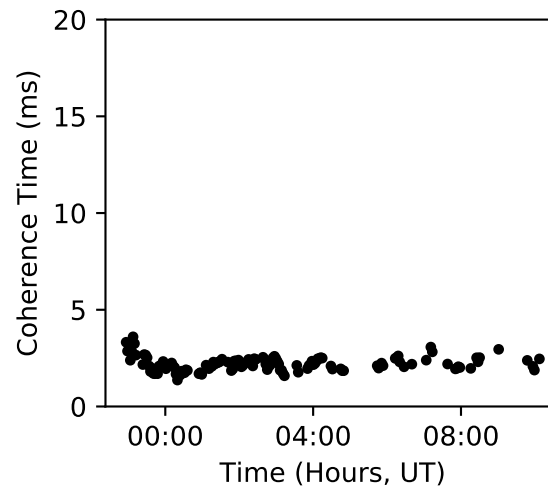
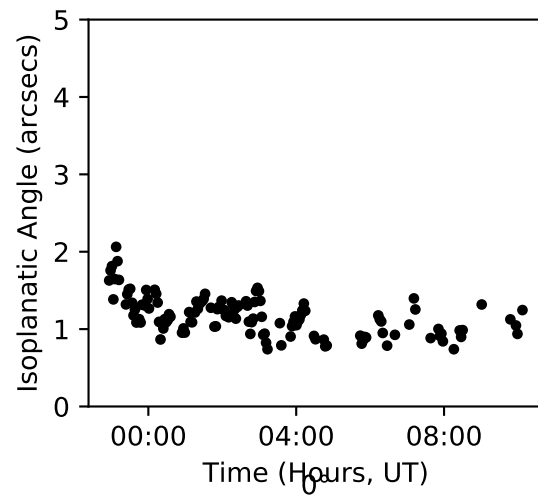
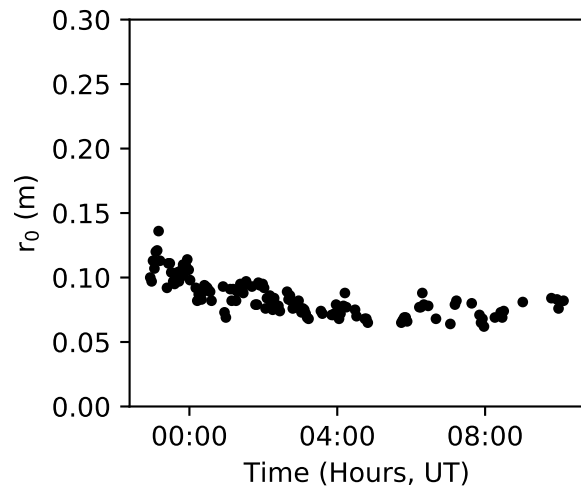




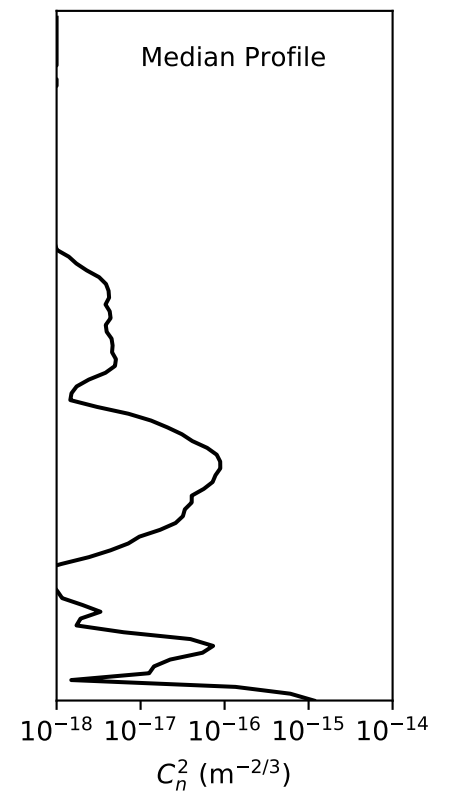
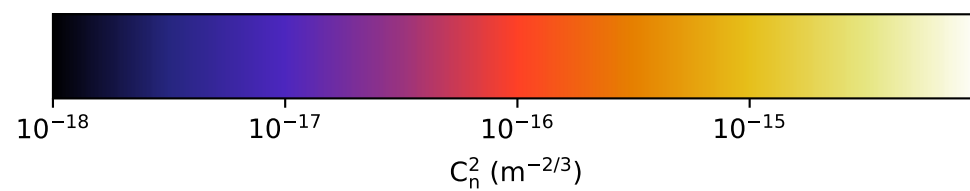
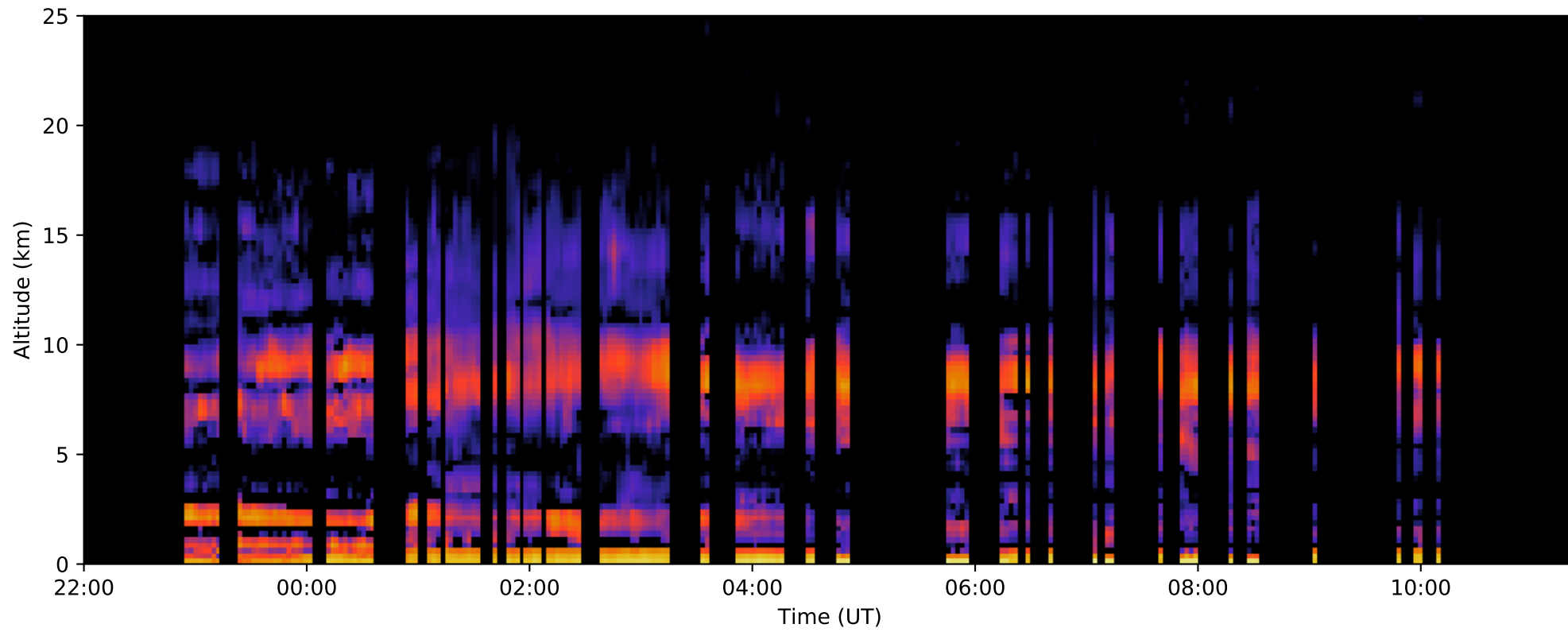
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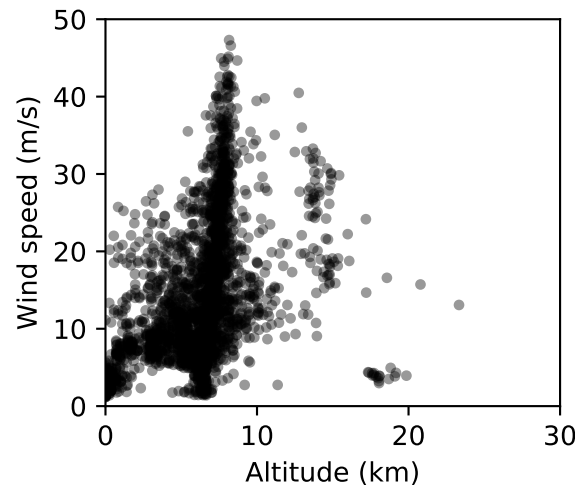
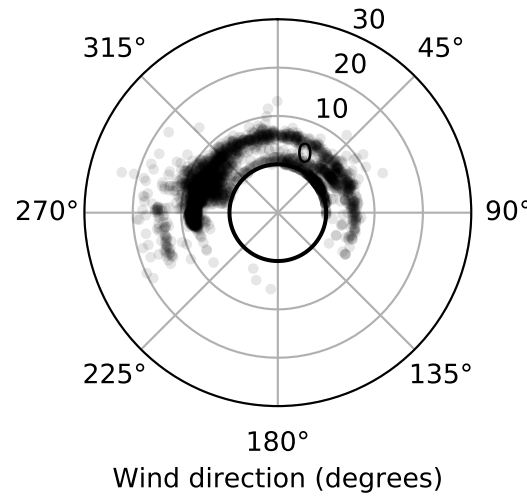
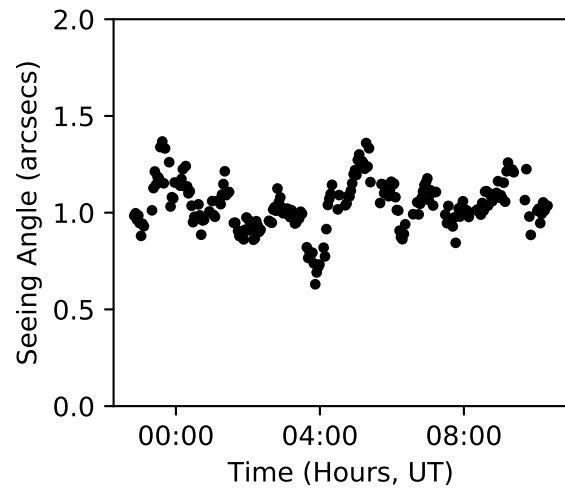
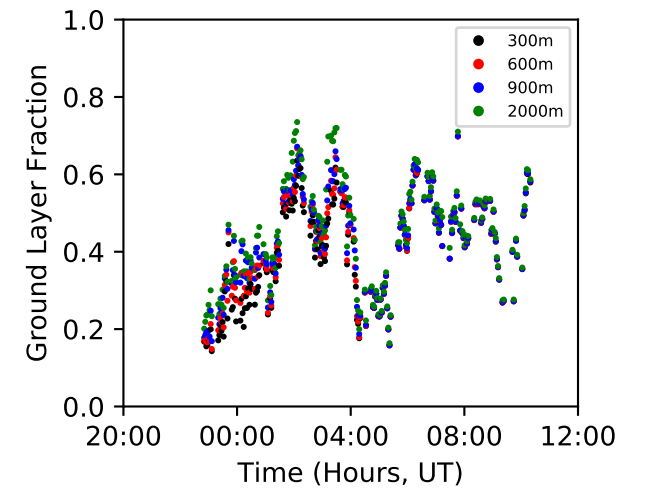
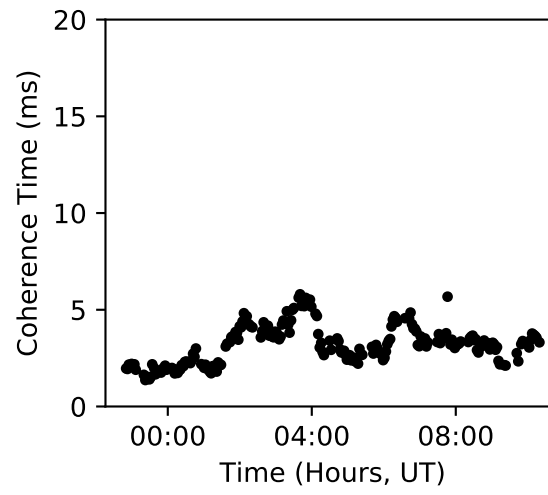
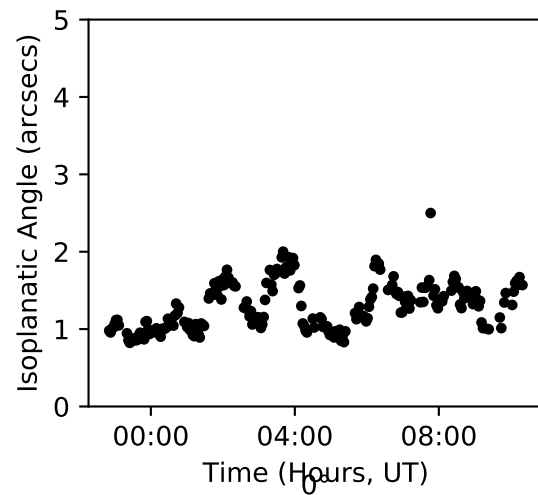
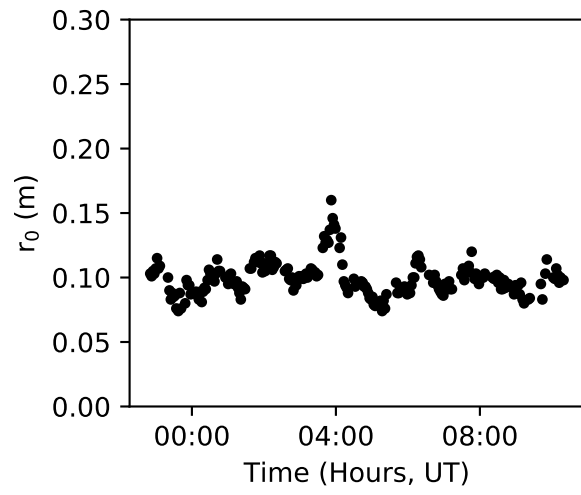




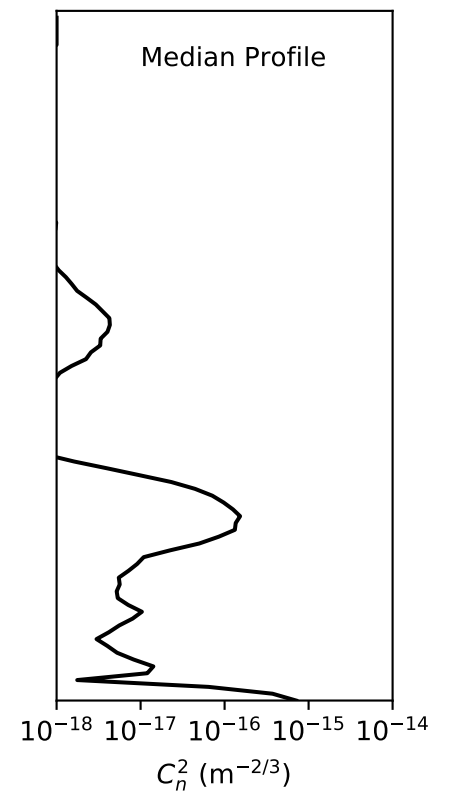
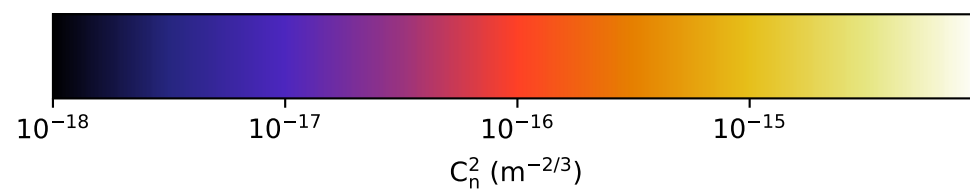
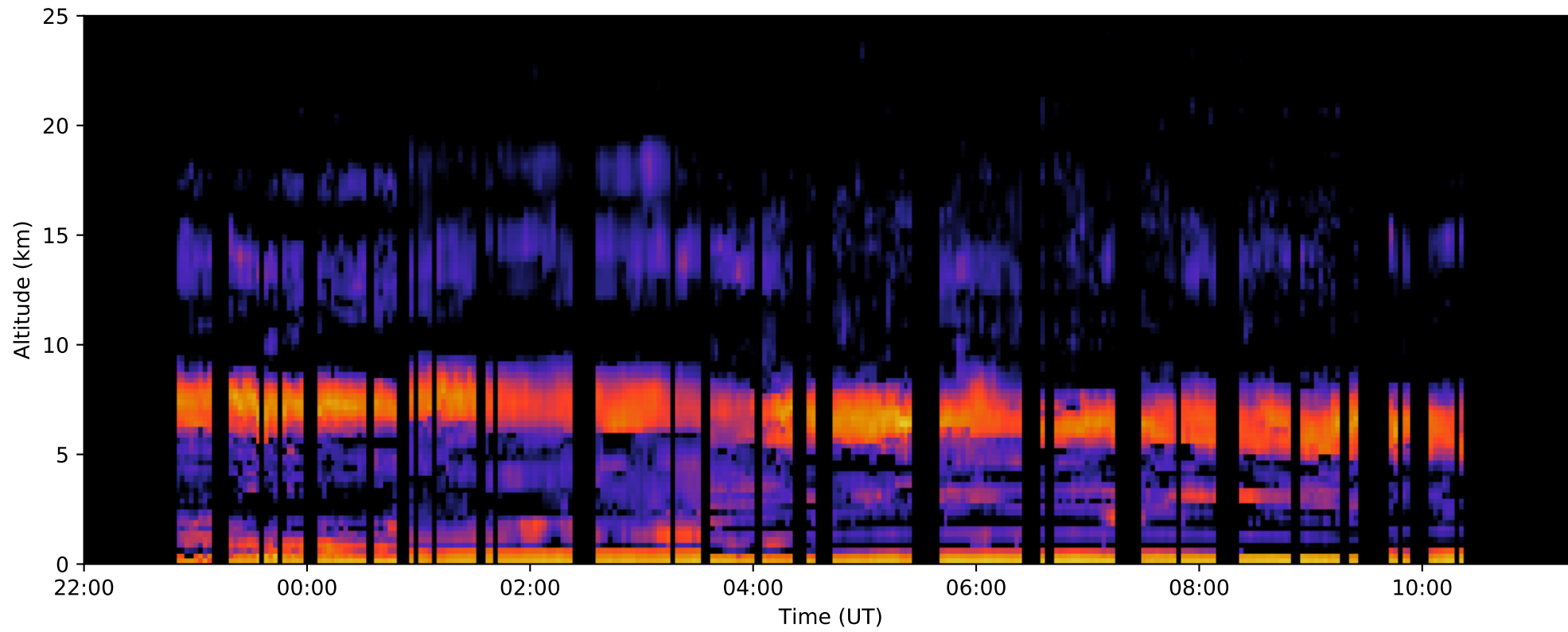


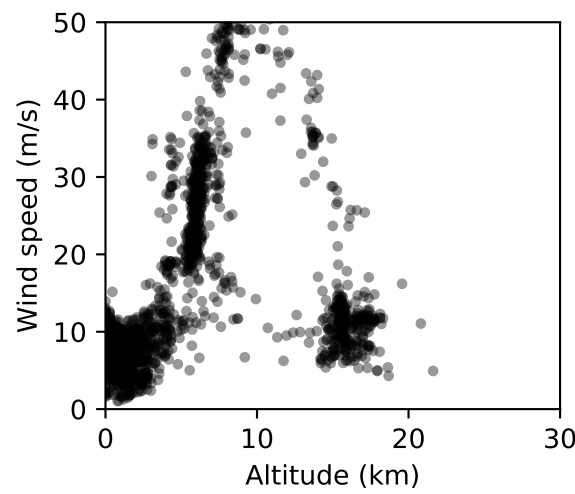
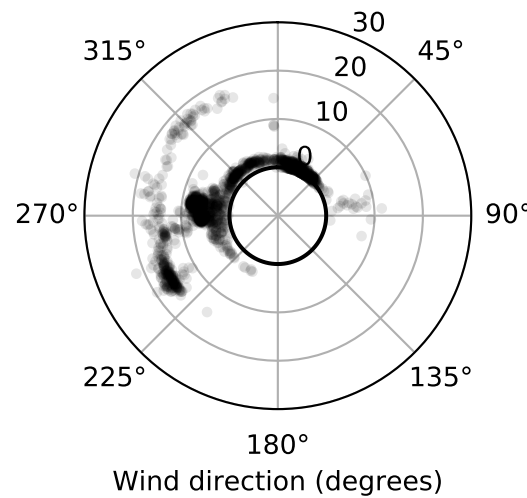
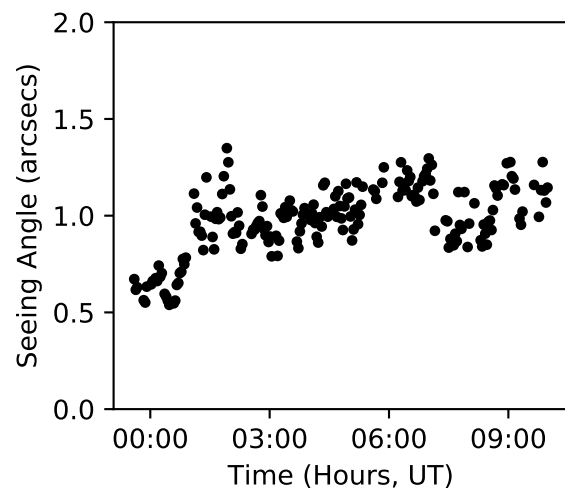
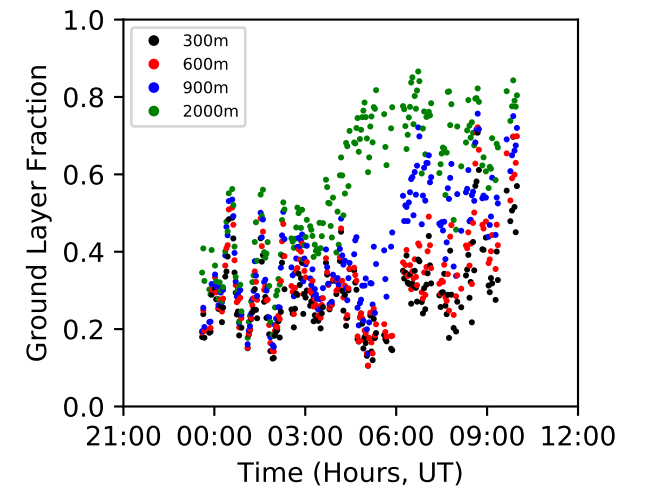
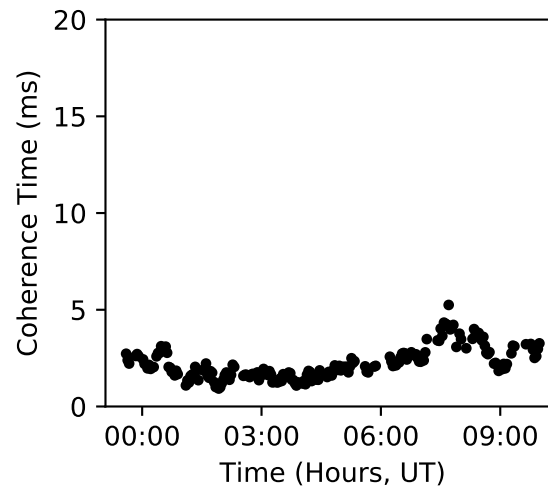
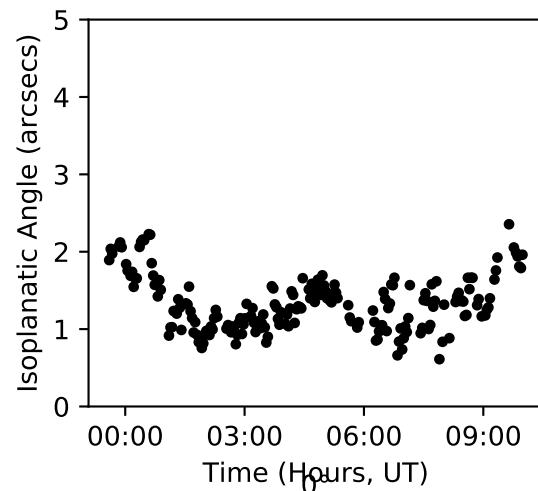
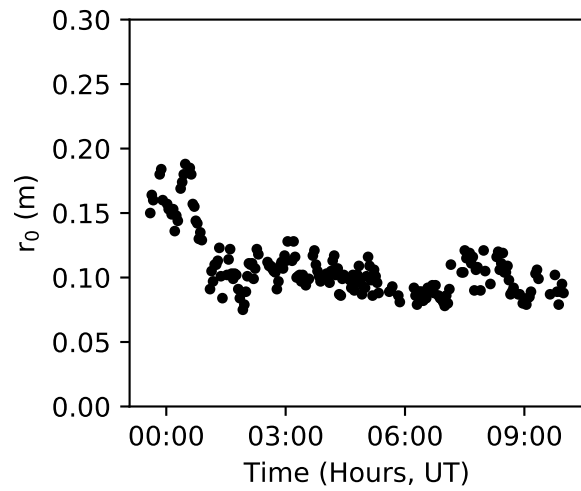
### 2017/06/08



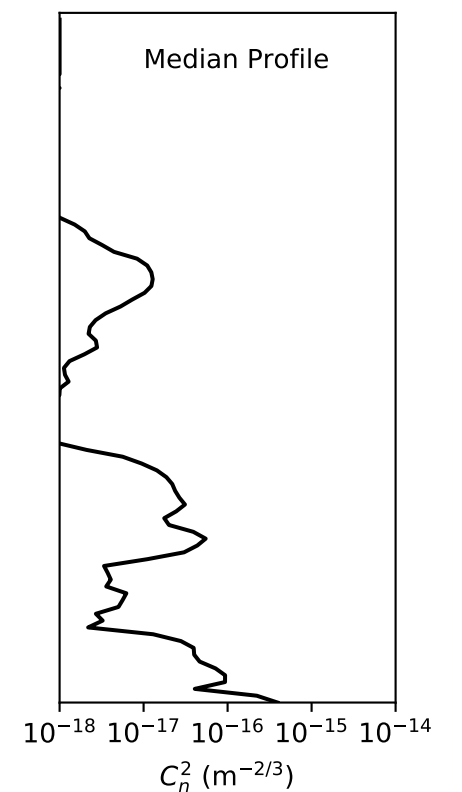
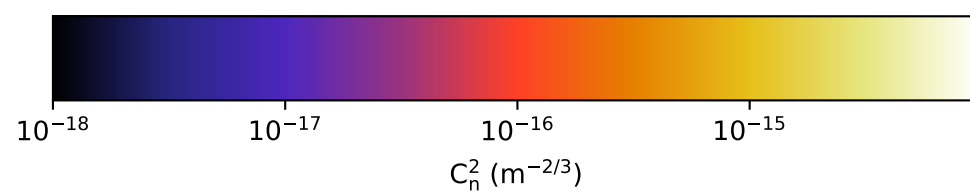
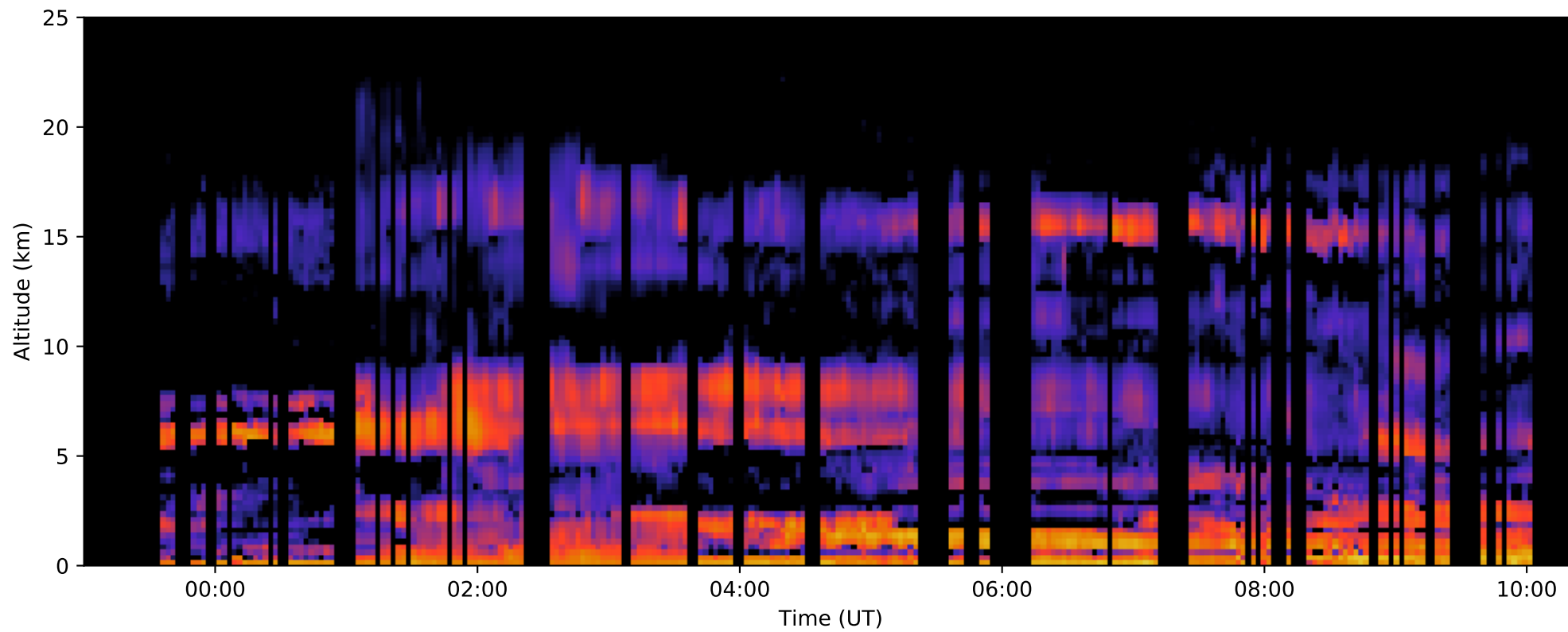


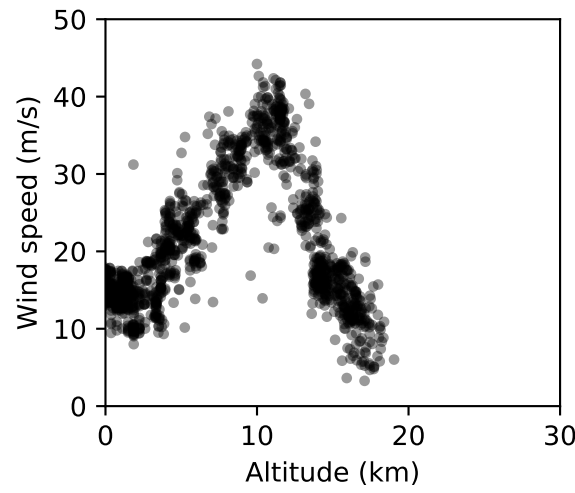
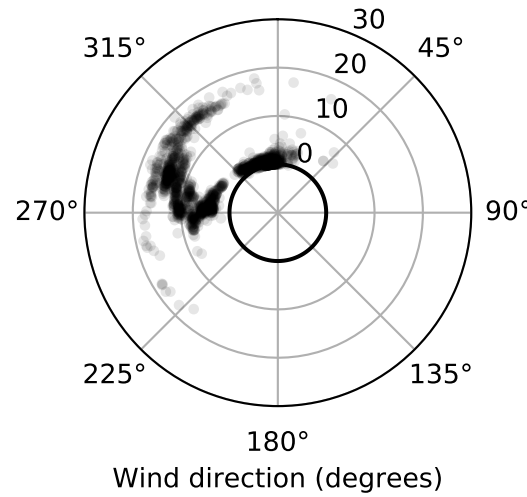
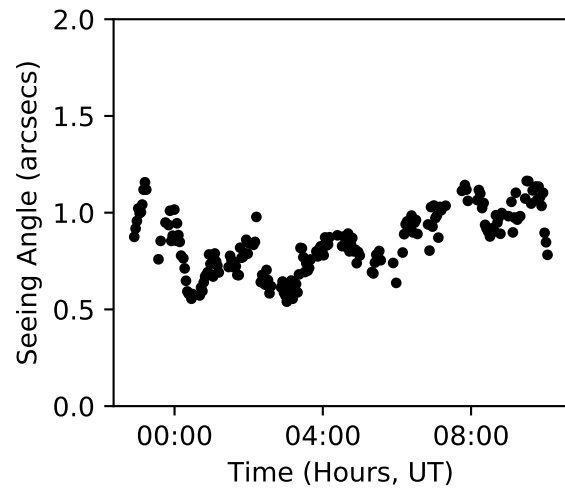
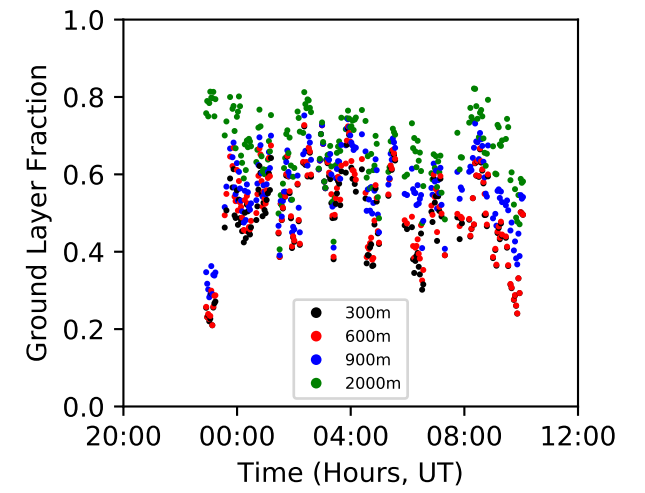
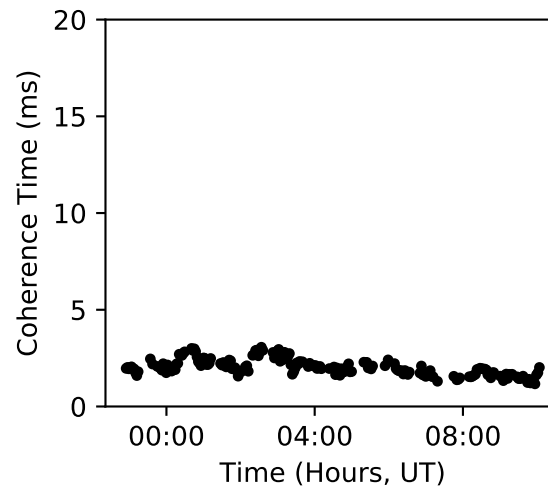
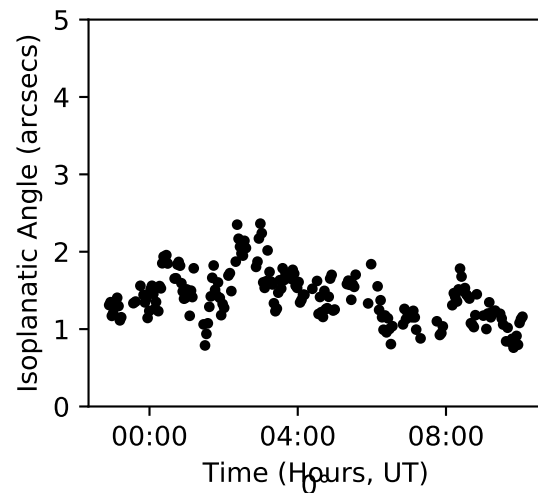
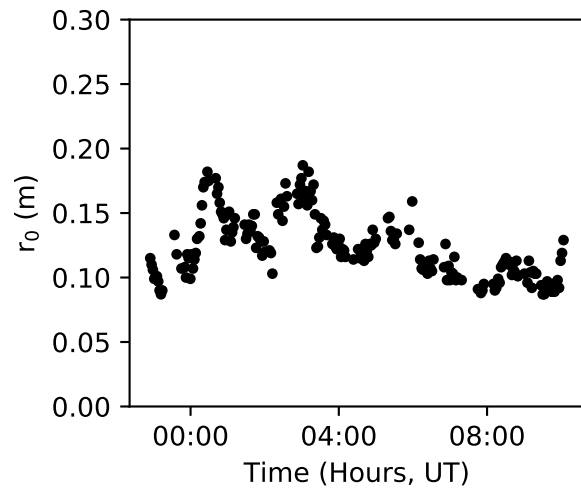
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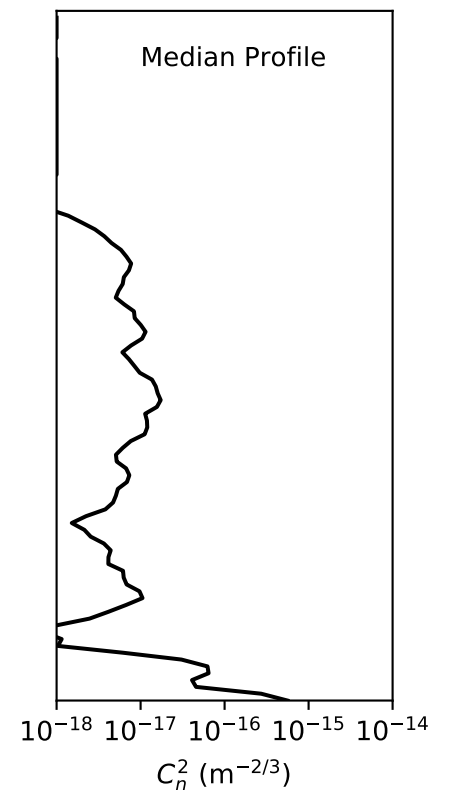
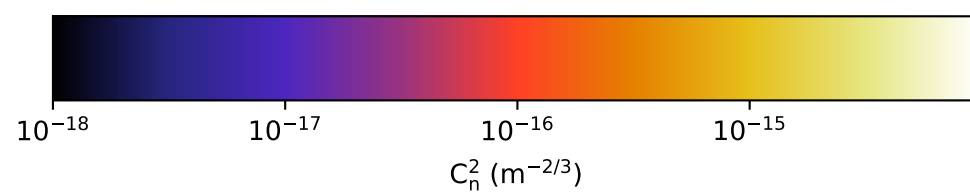
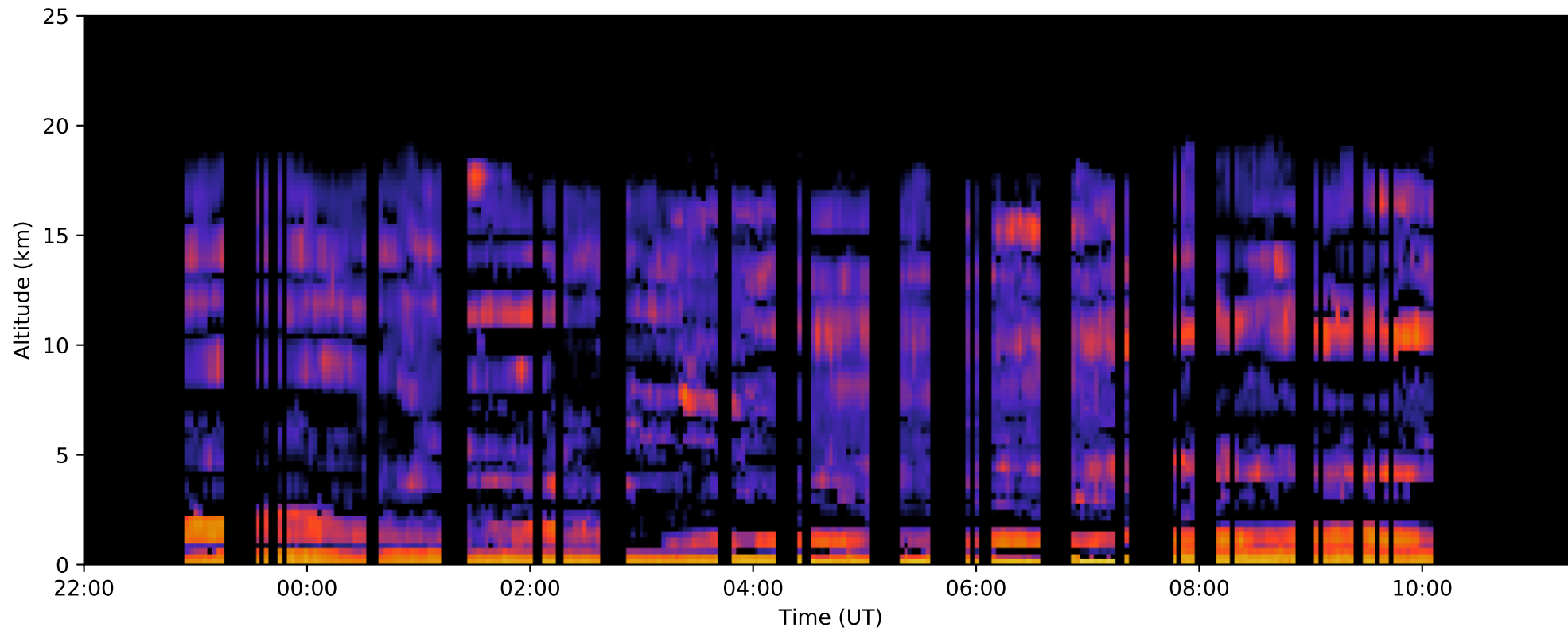


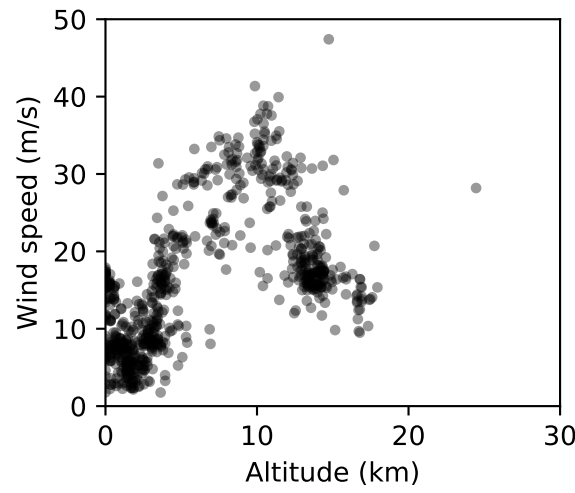
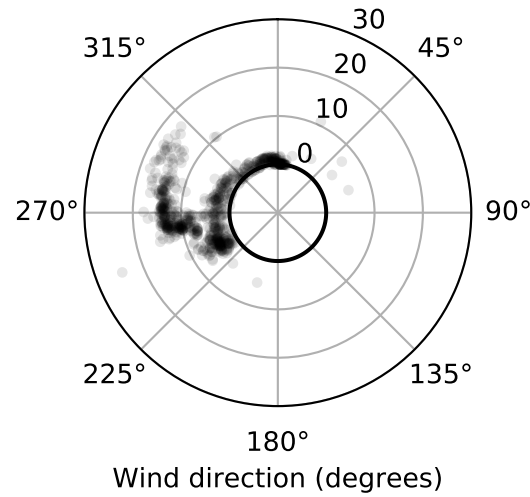
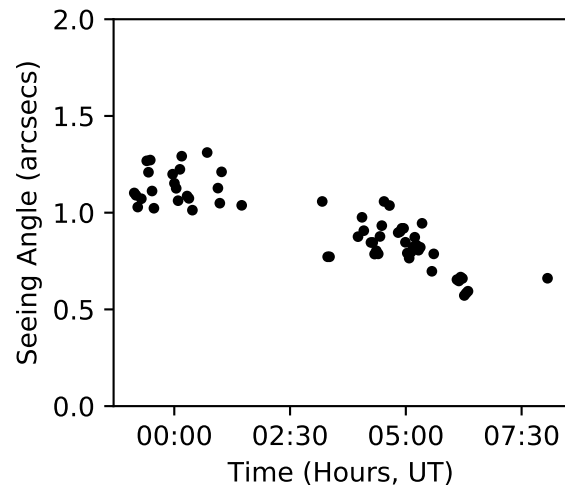
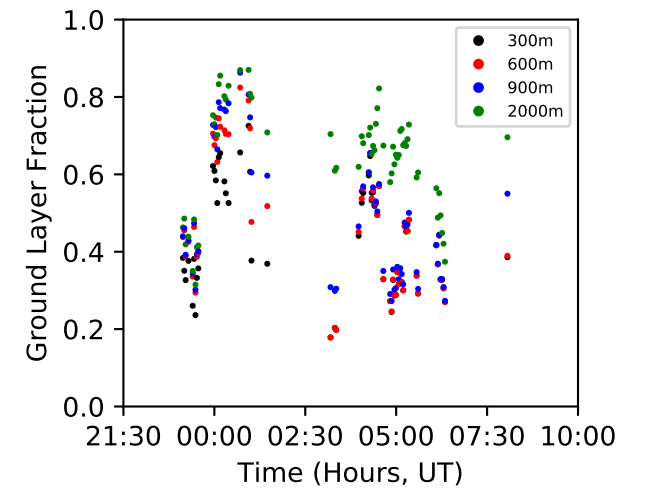
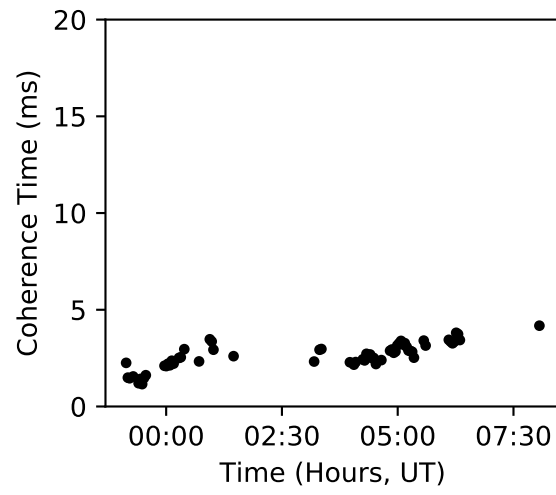
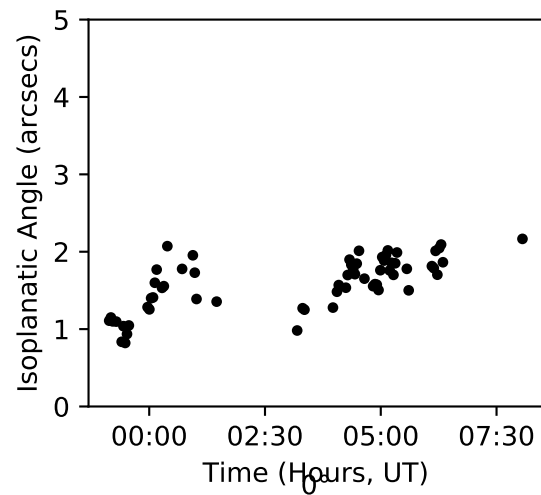
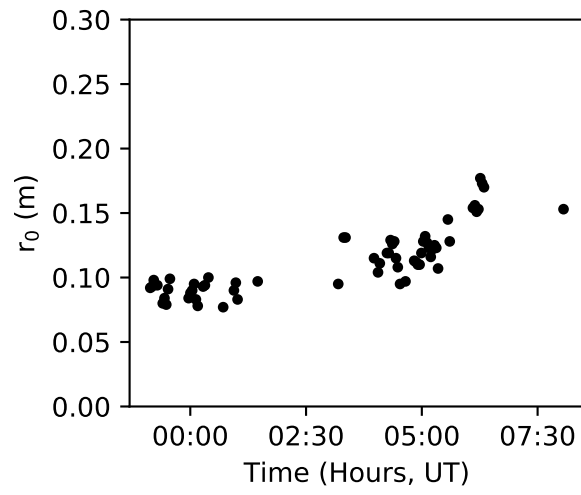
### 2017/06/10



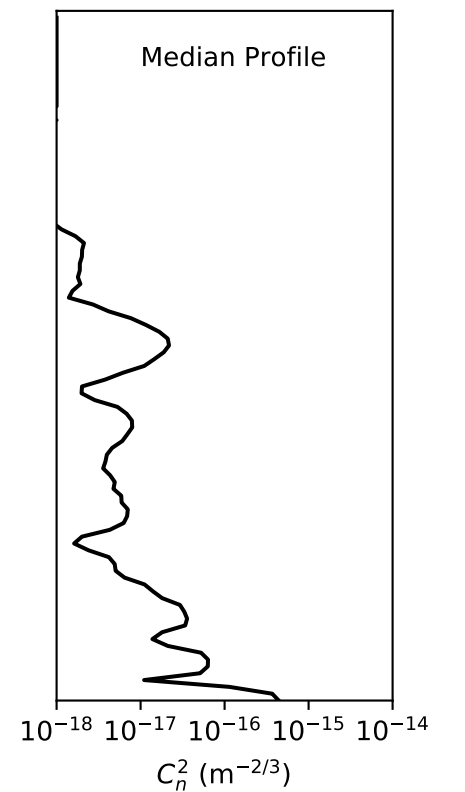
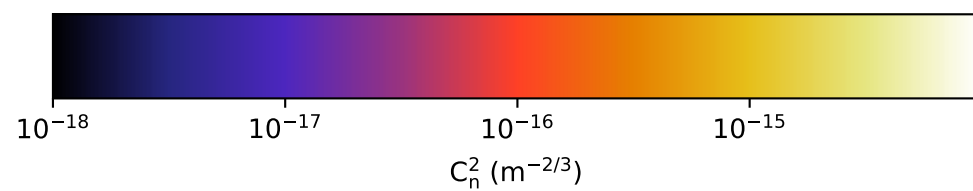
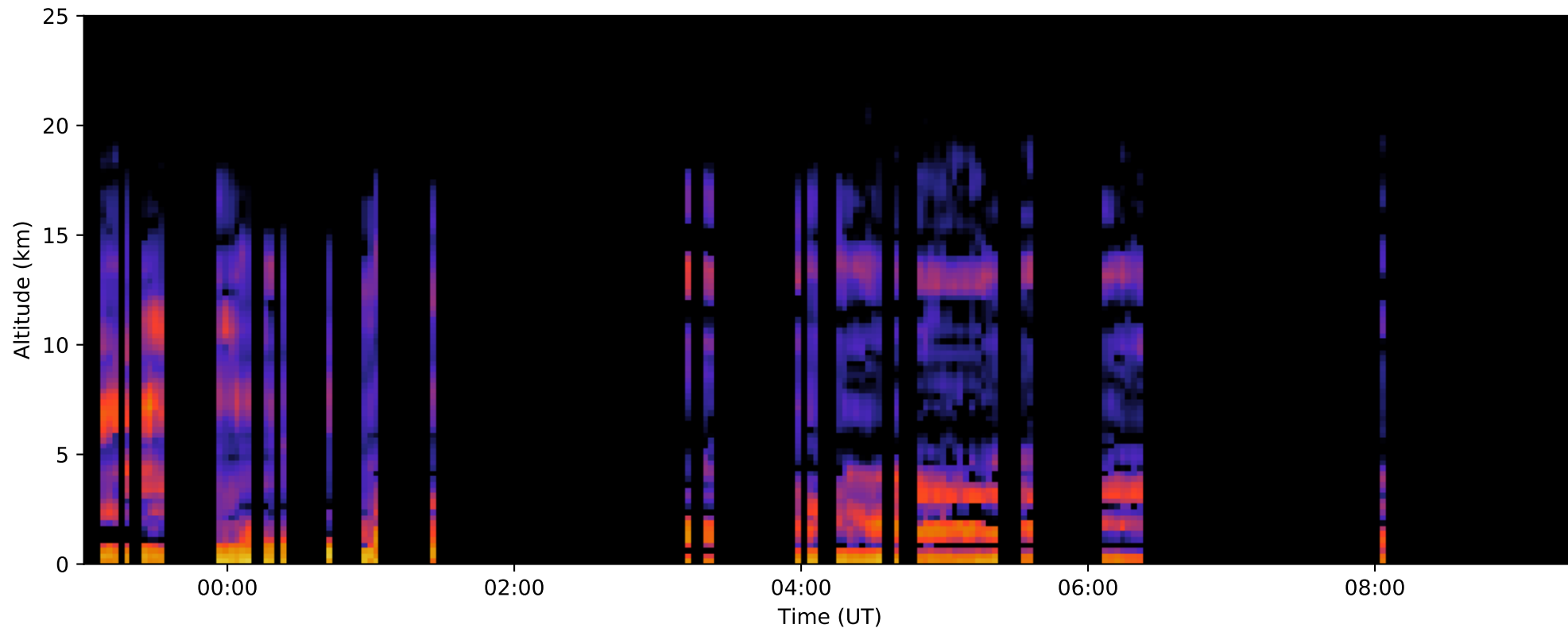


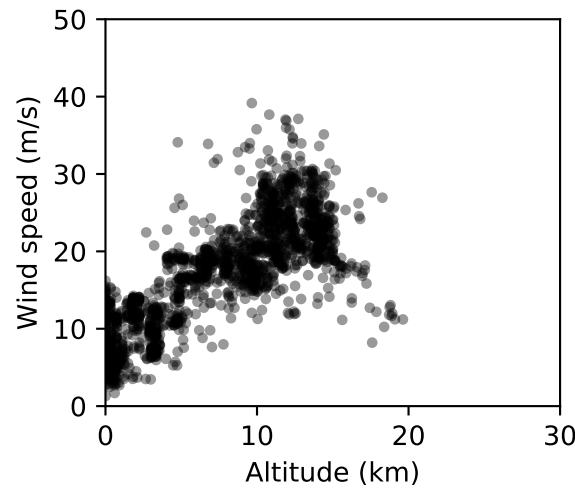
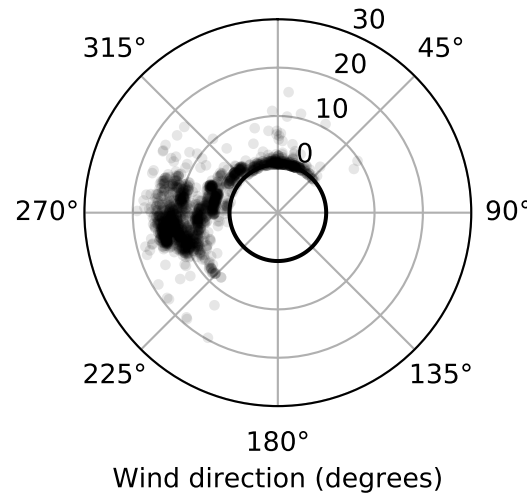
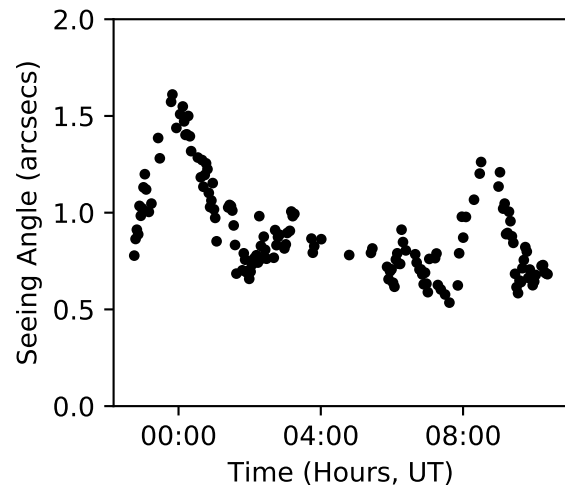
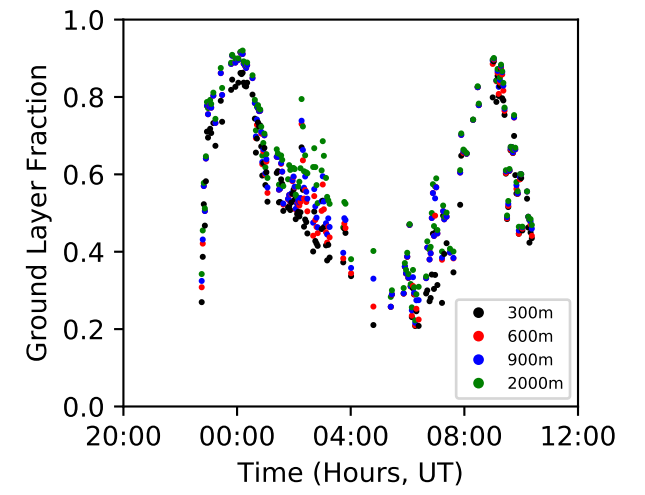
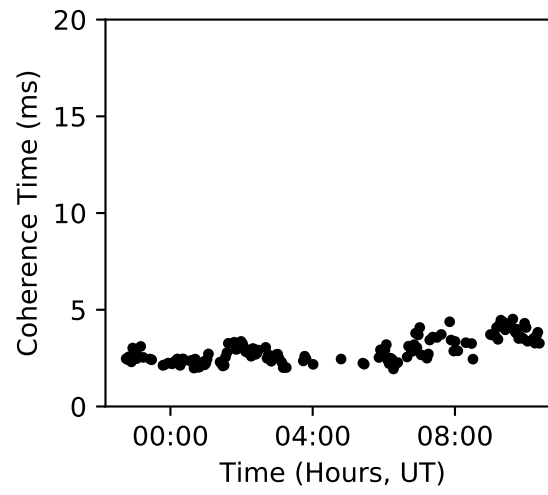
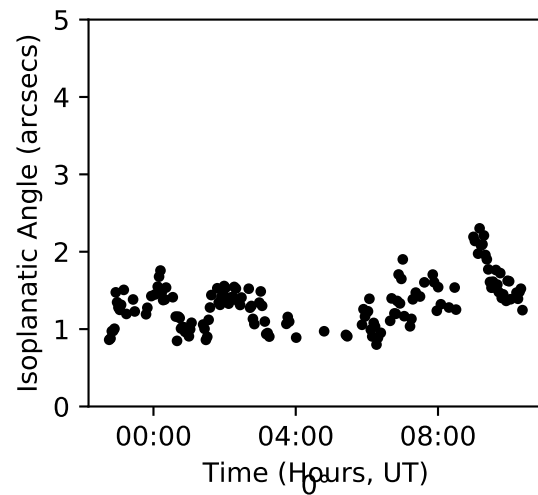
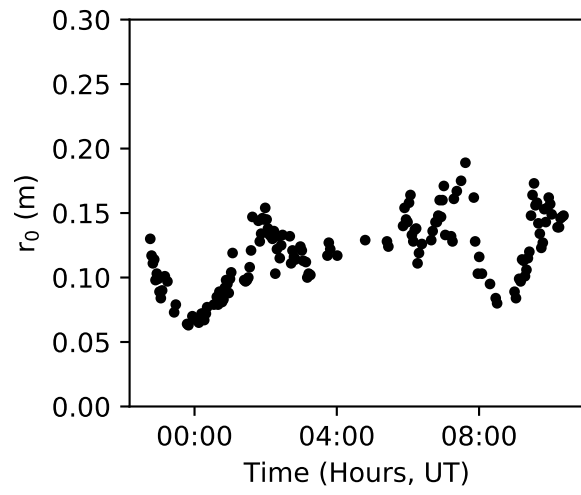
### 2017/07/03



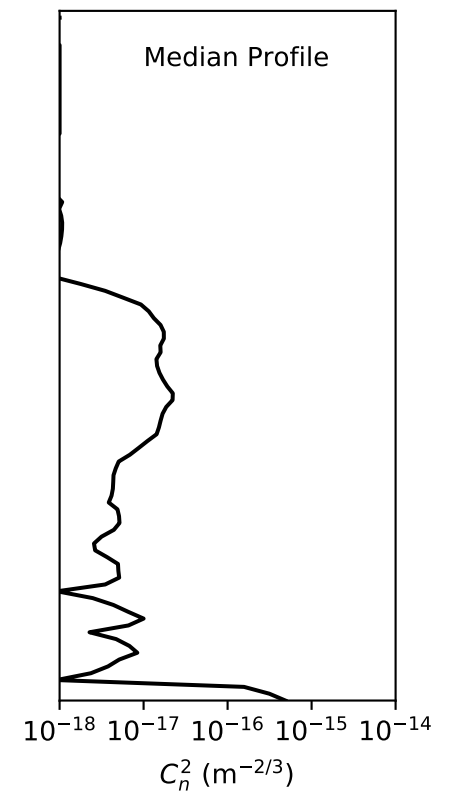
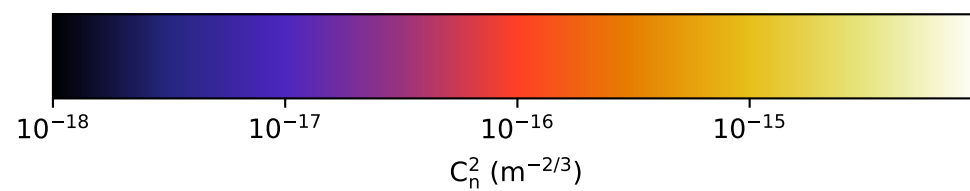
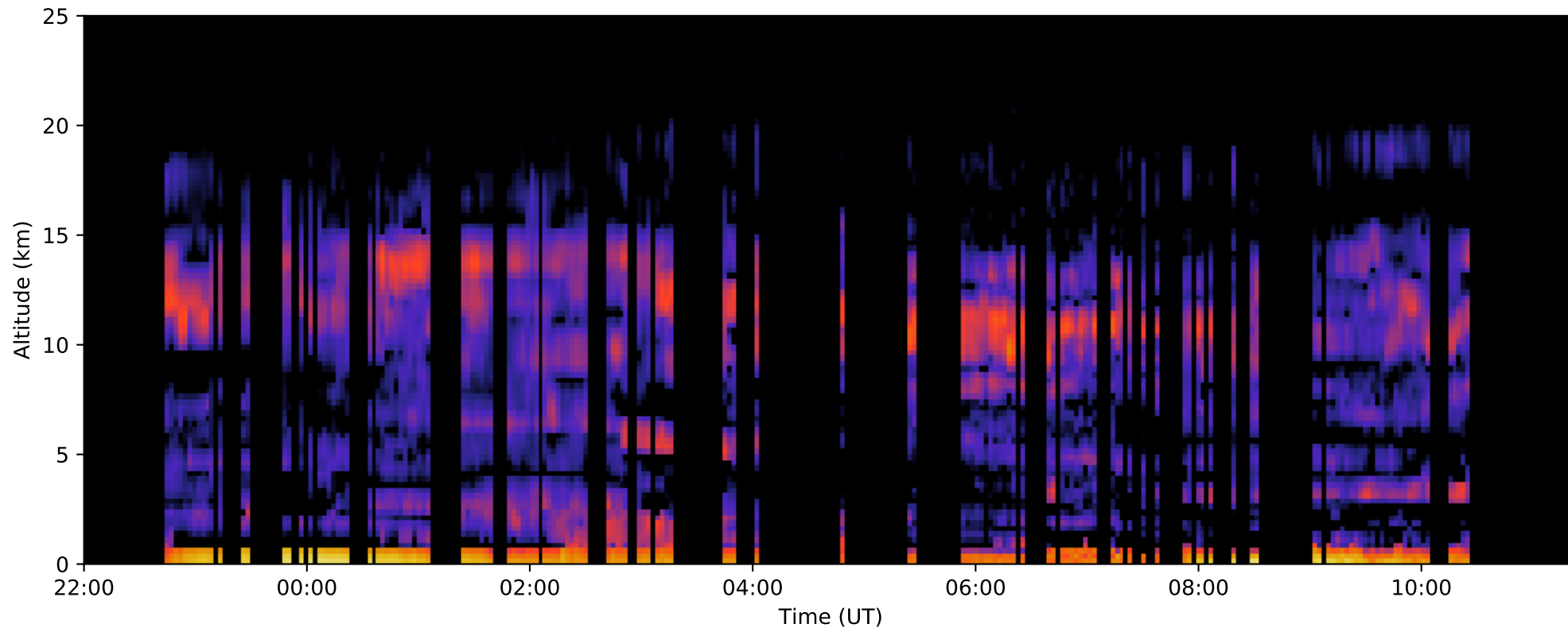


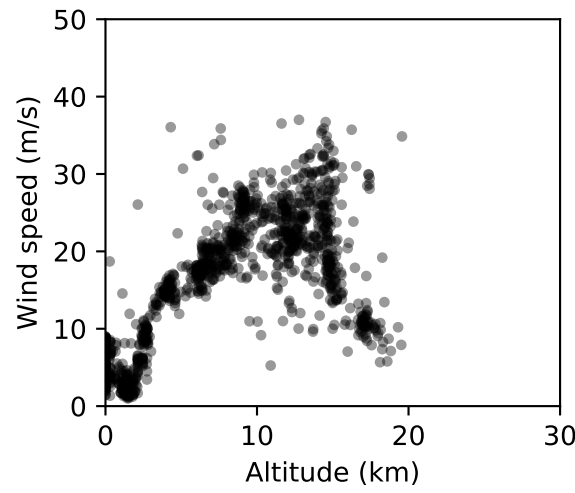
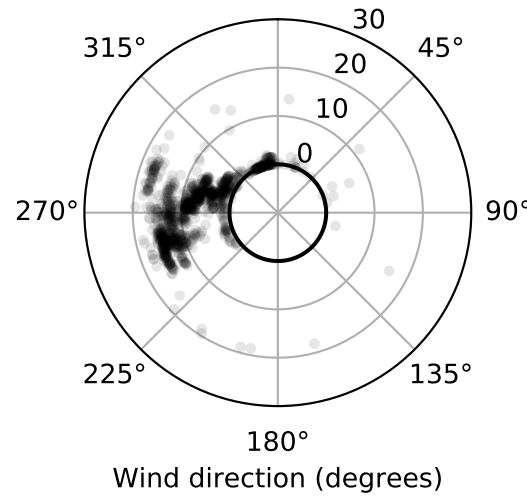
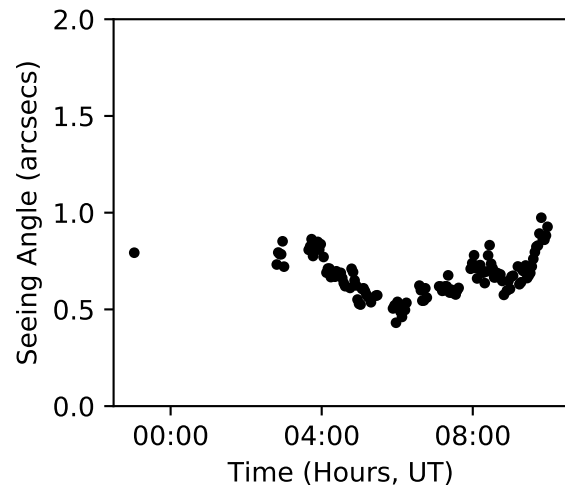
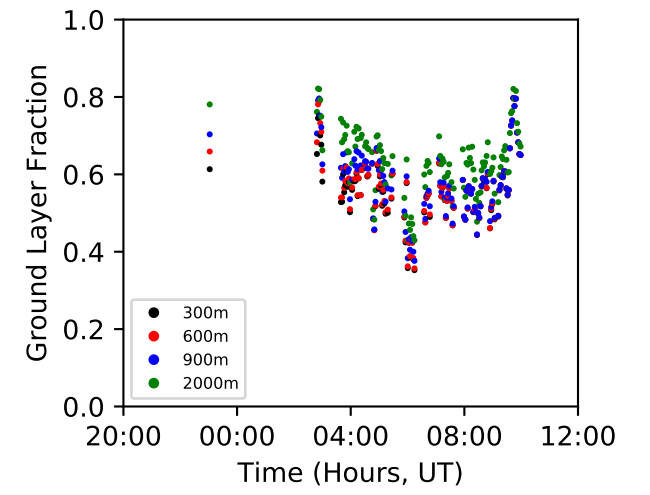
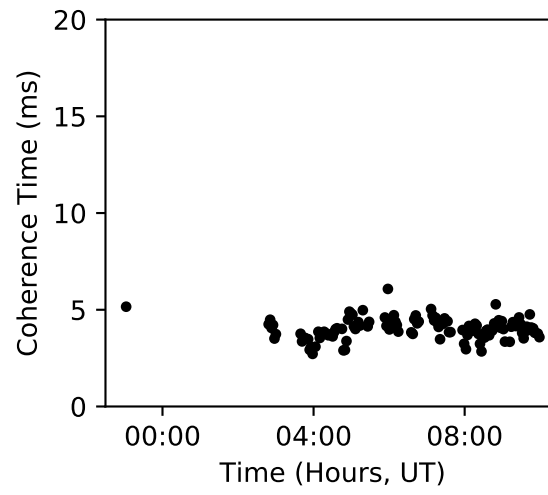
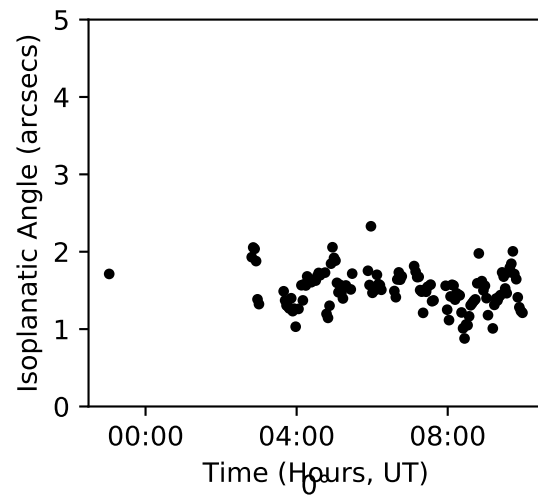
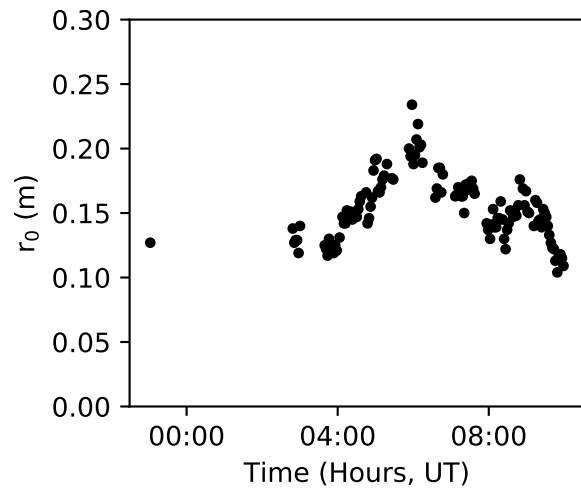
### 2017/07/04



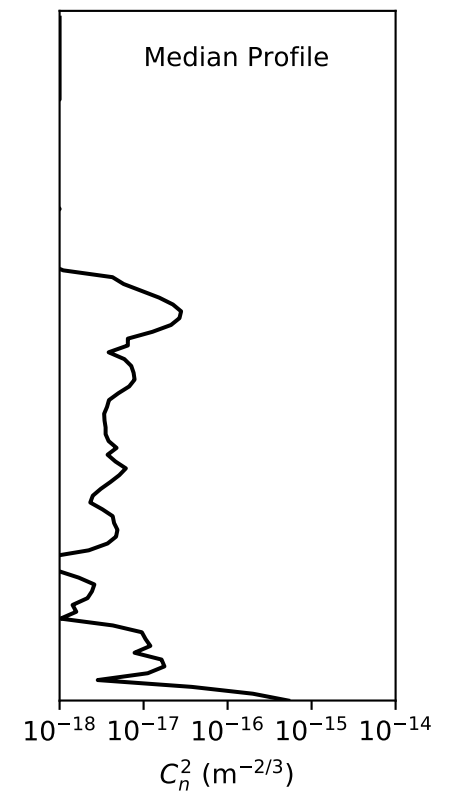
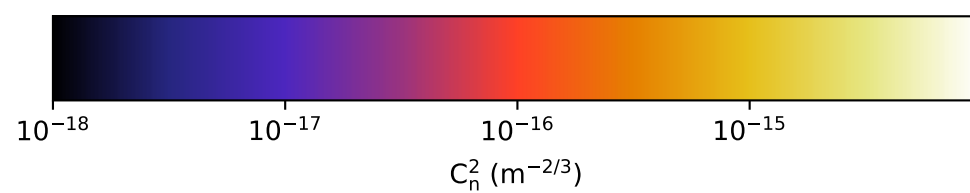
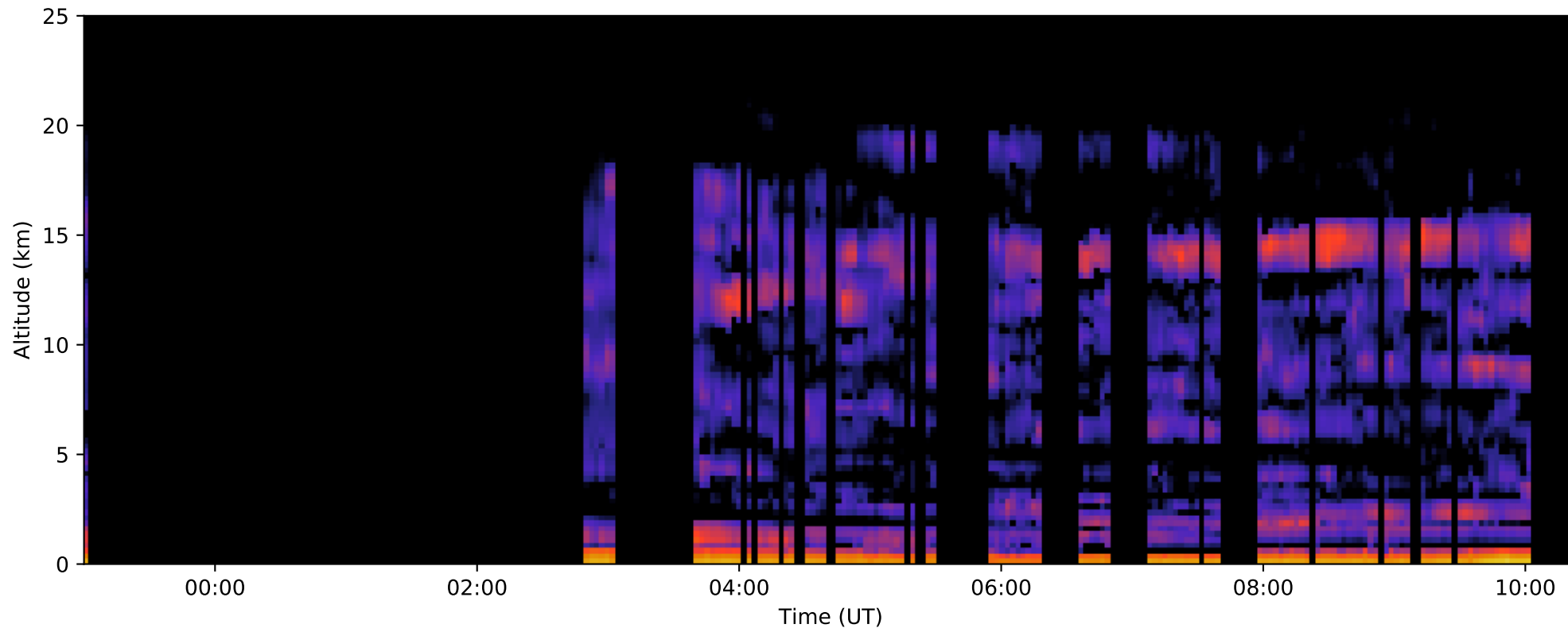


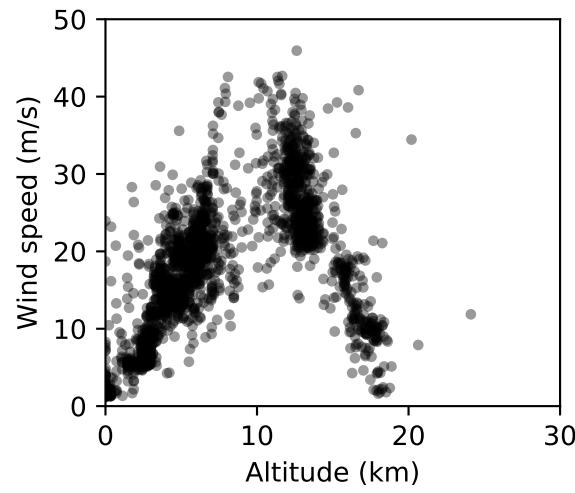
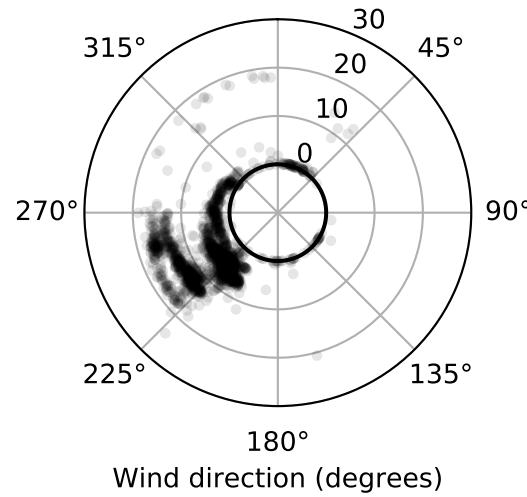
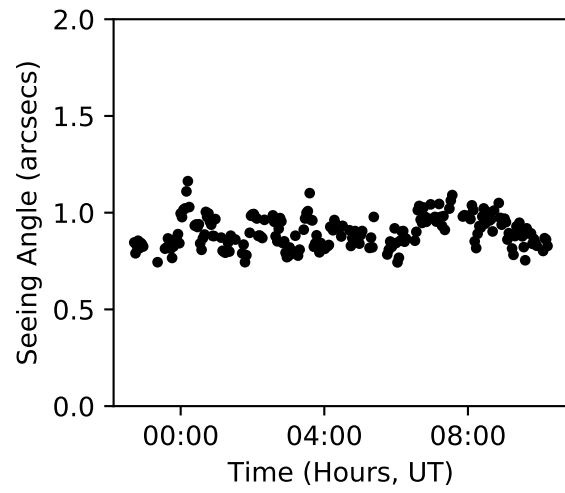
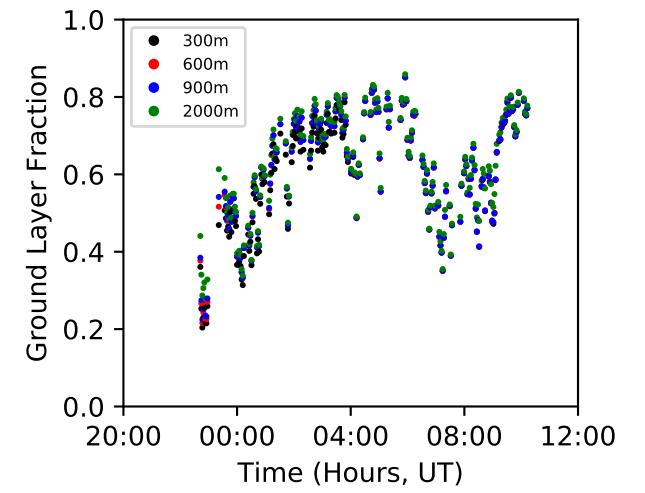
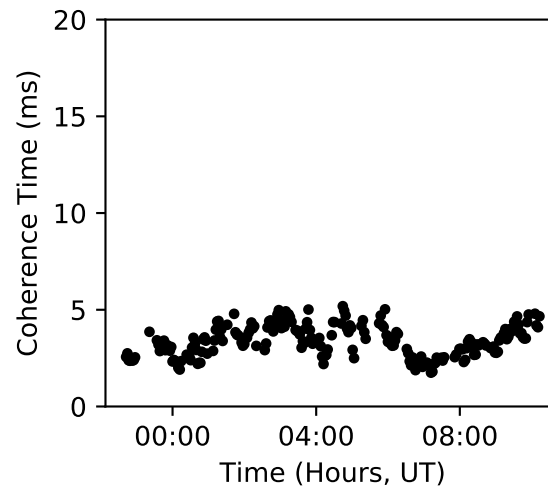
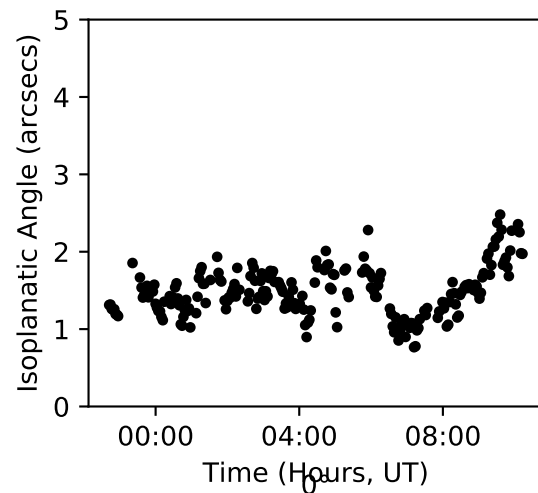
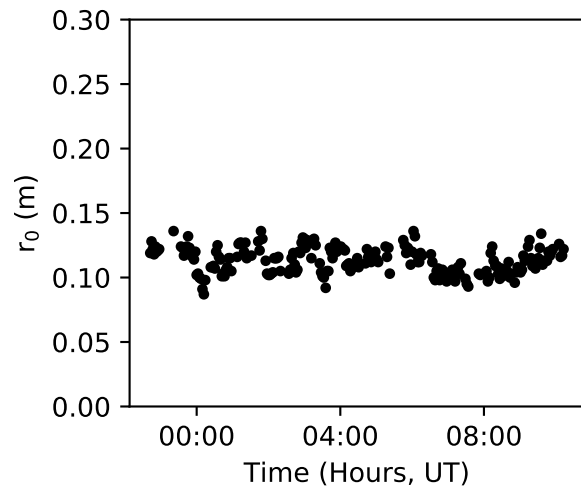
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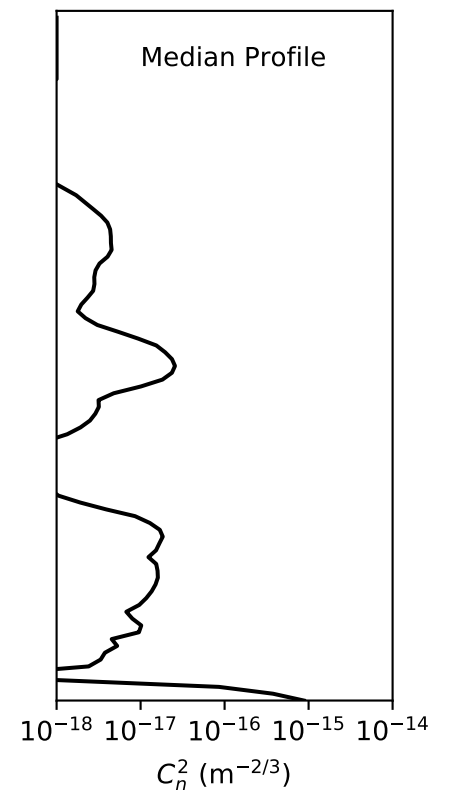
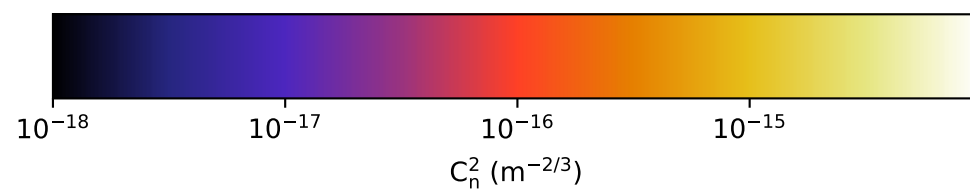
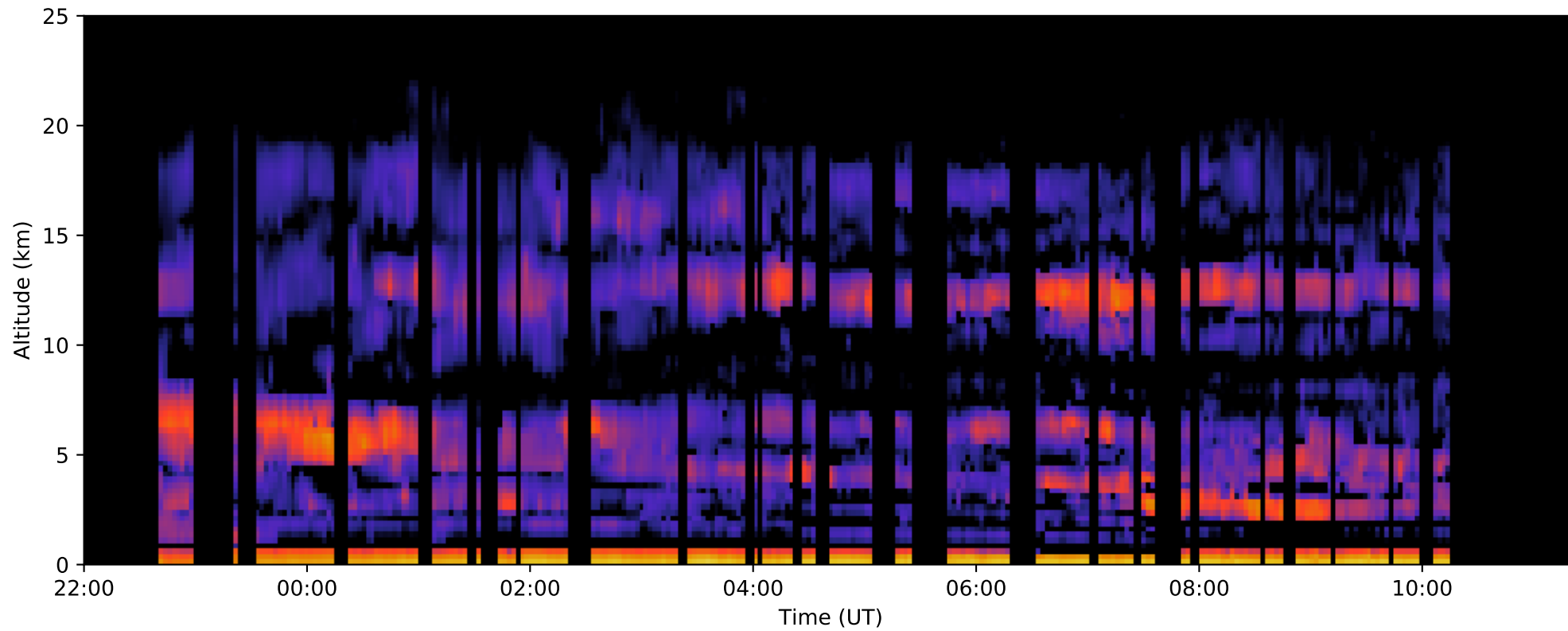


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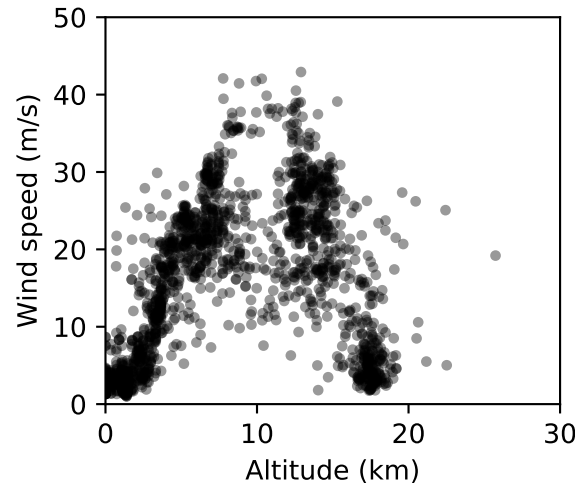
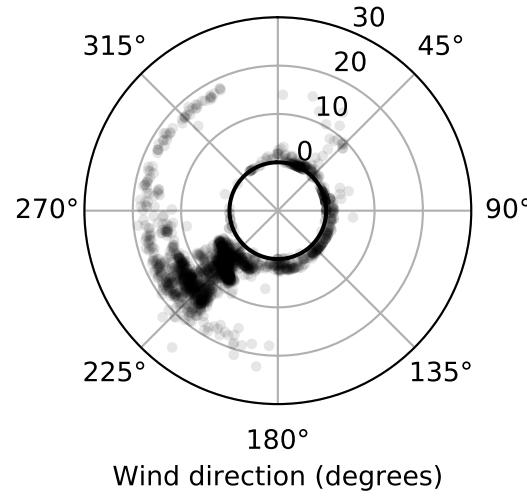
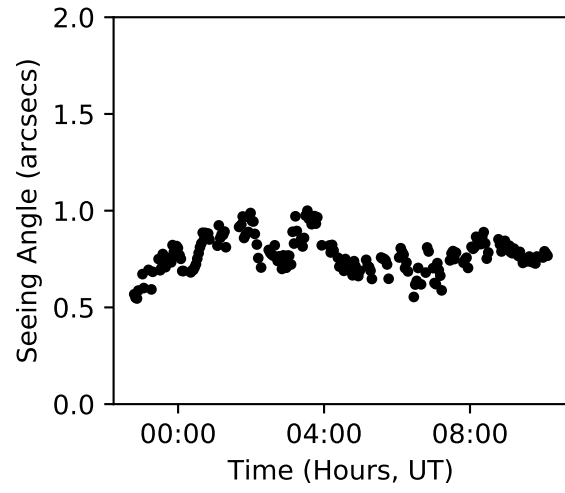
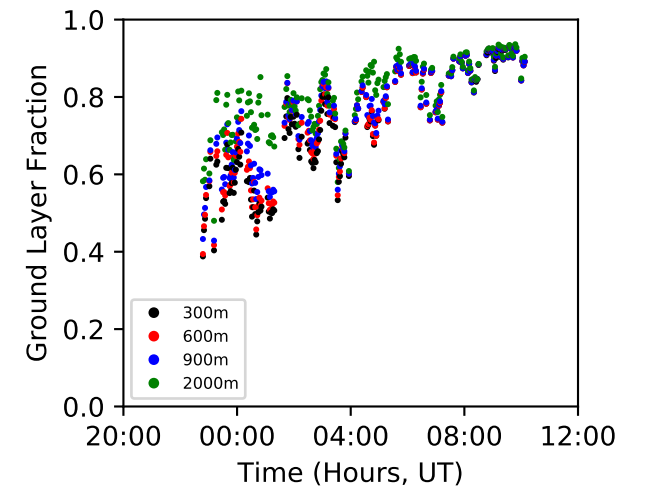
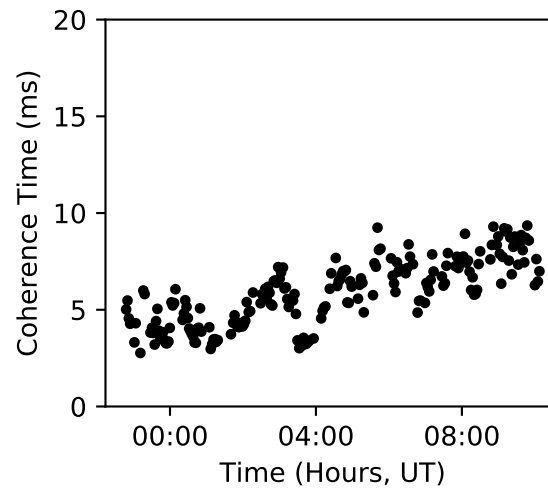
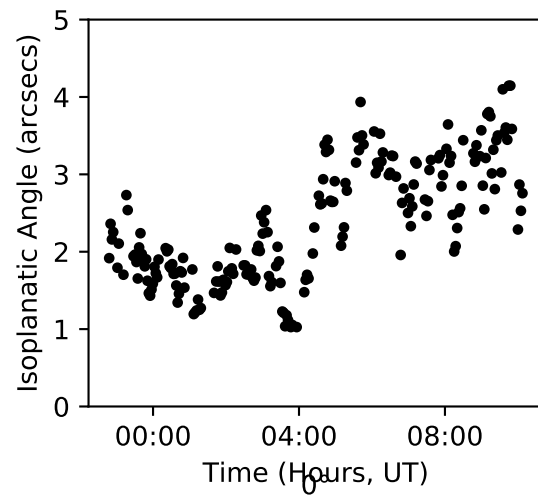
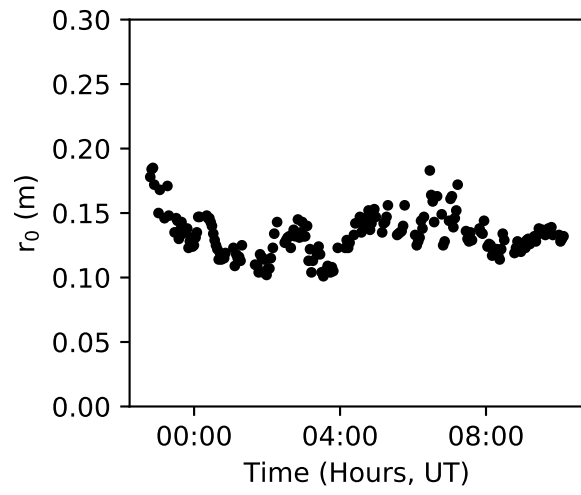




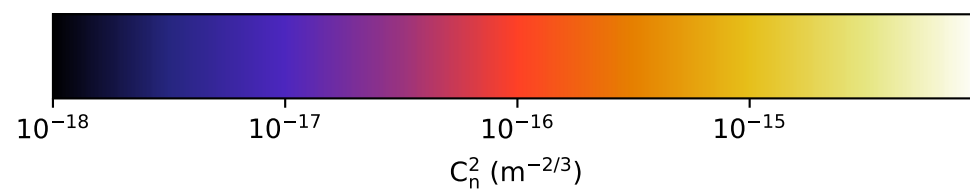
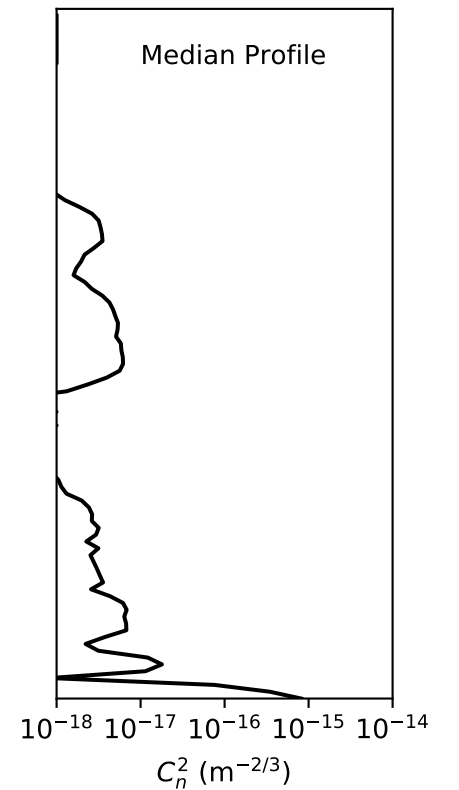
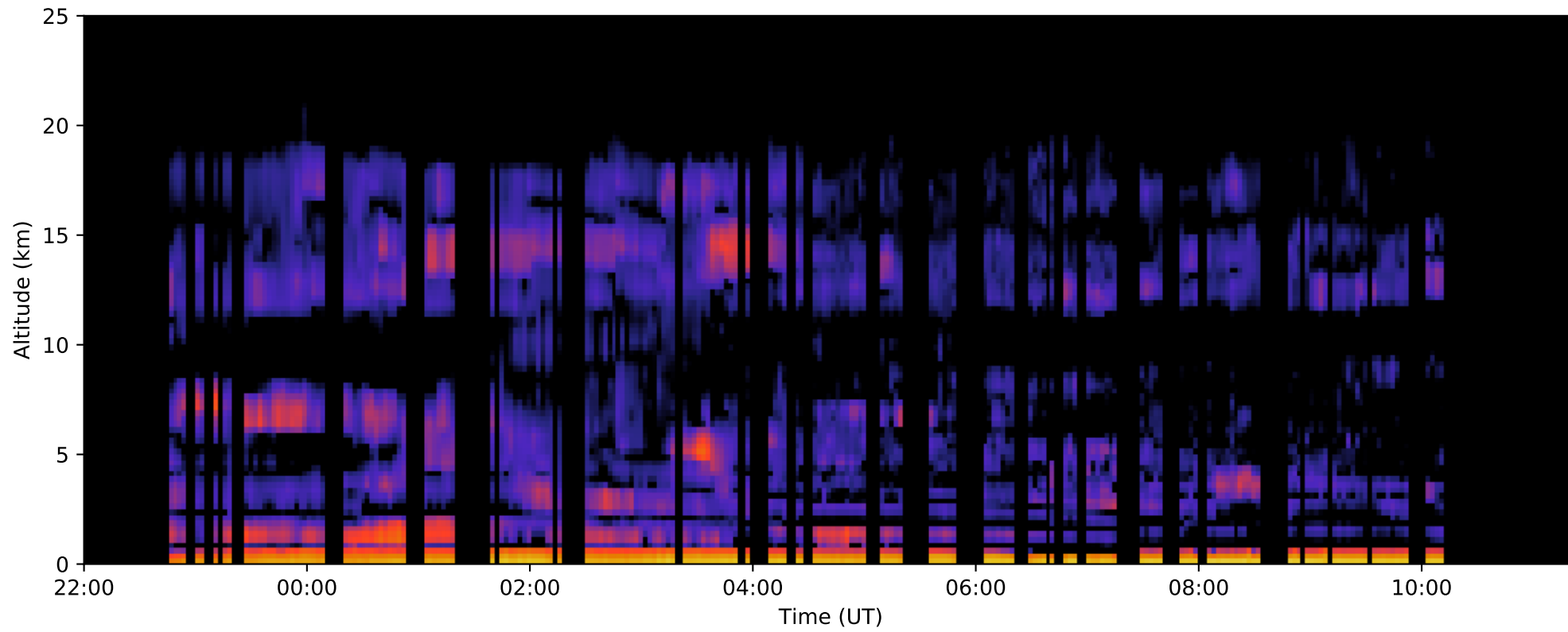
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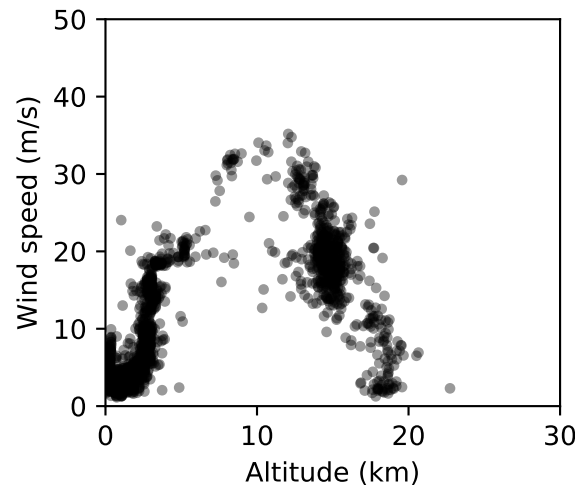
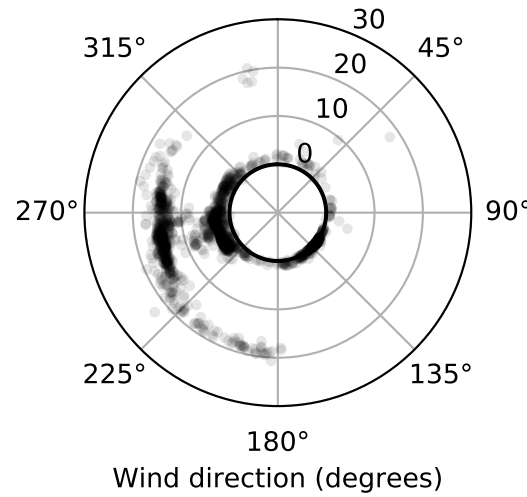
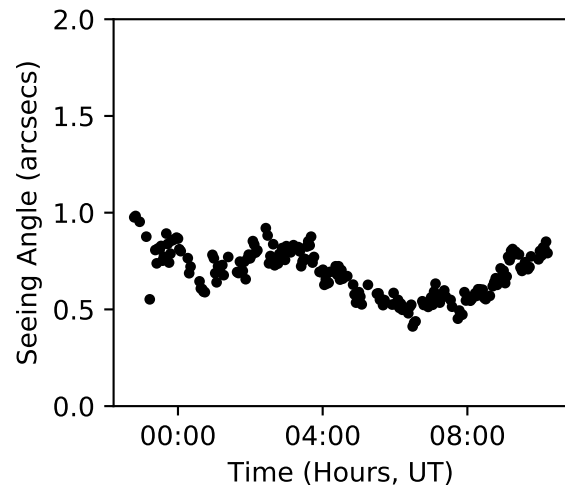
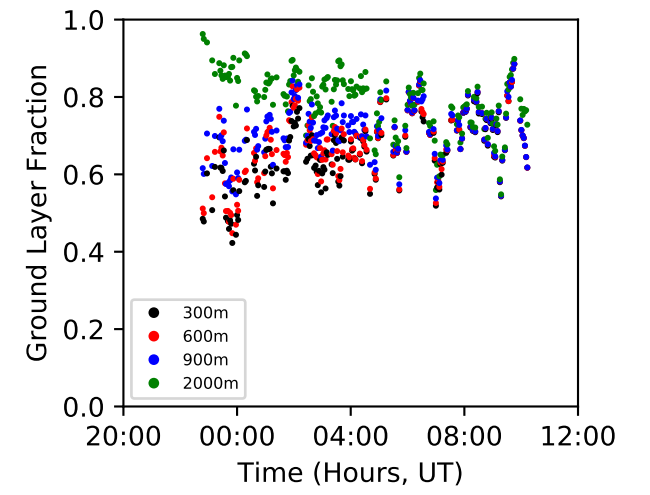
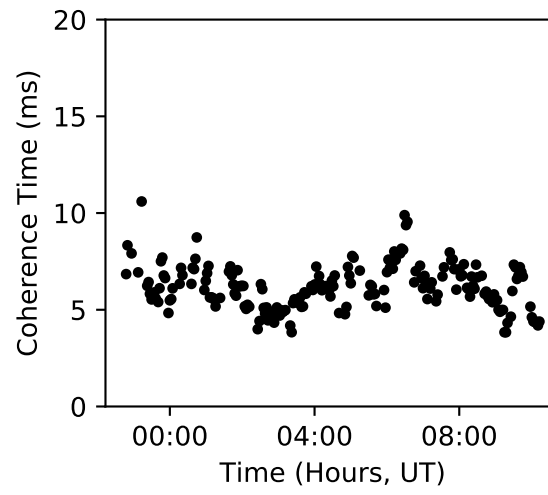
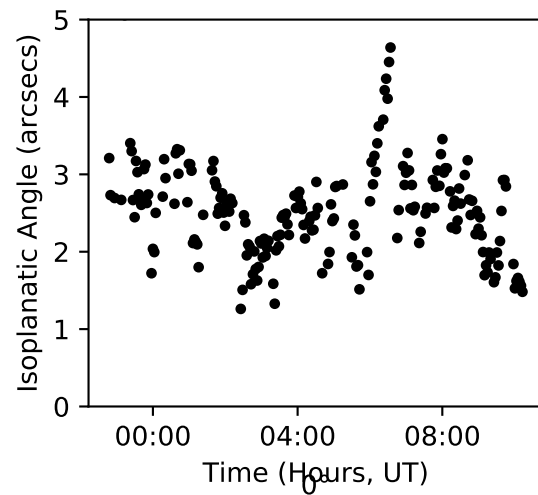
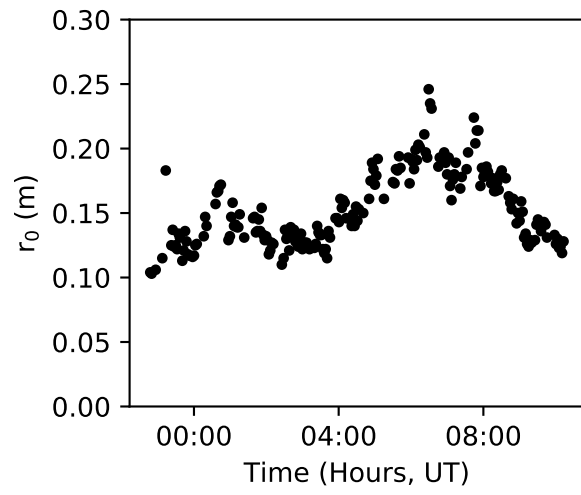




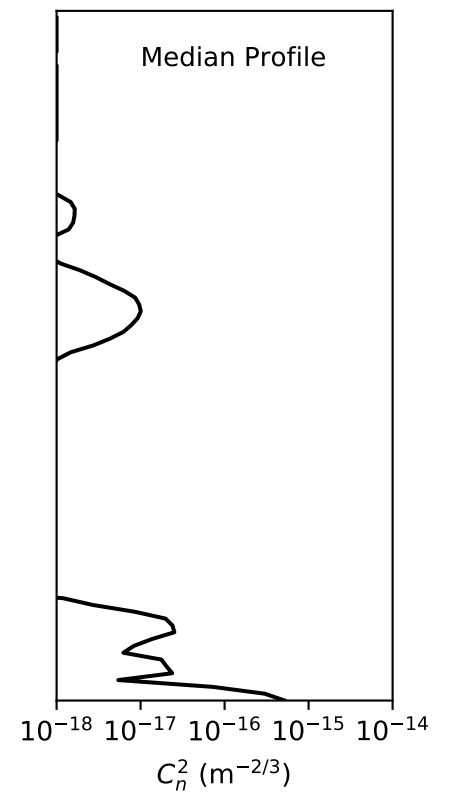
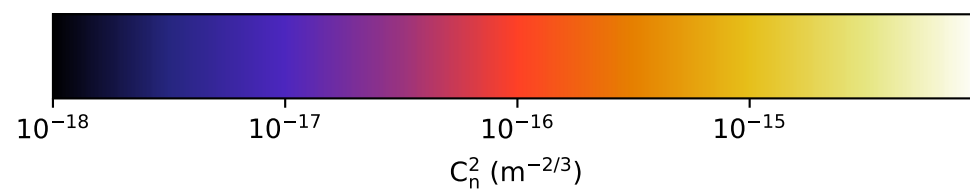
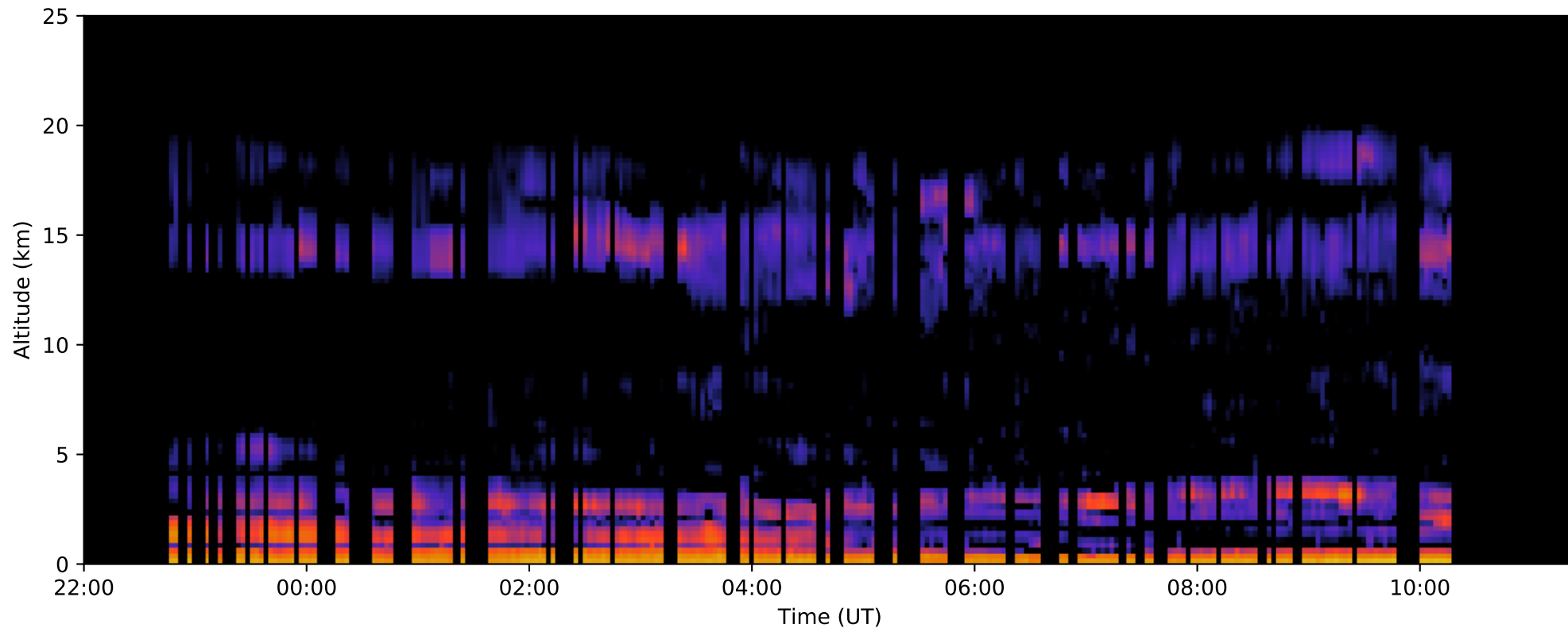


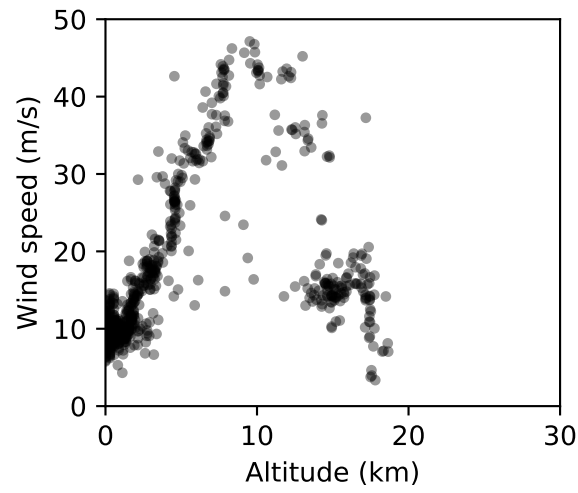
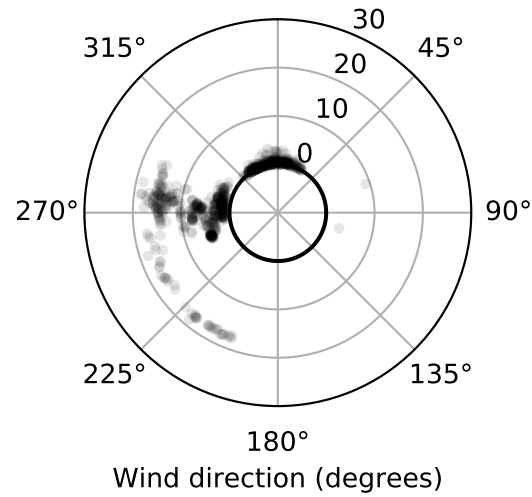
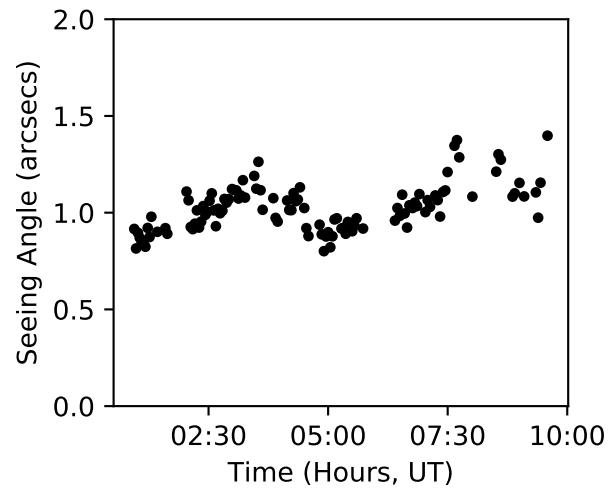
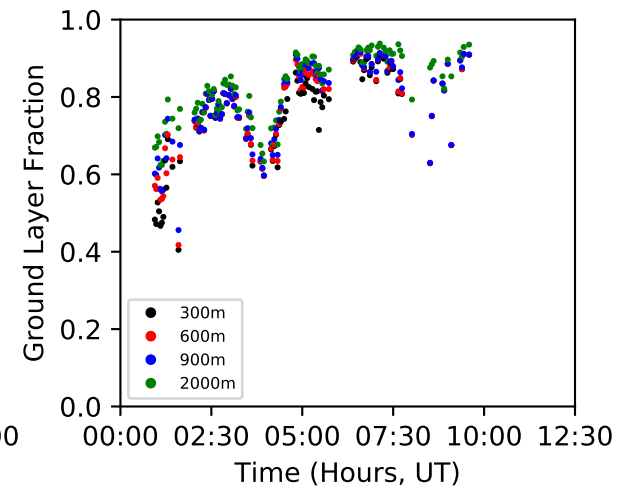
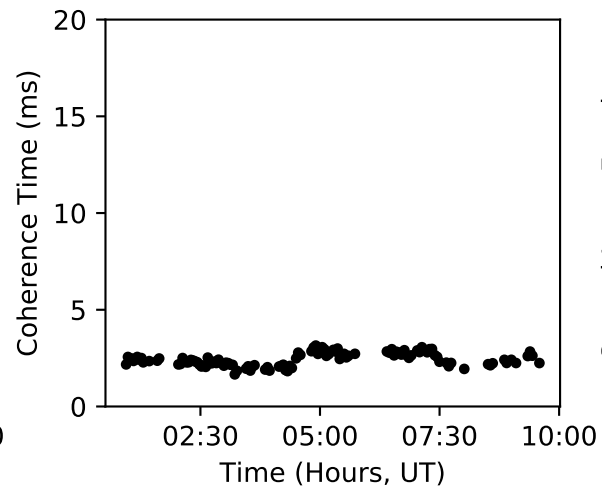
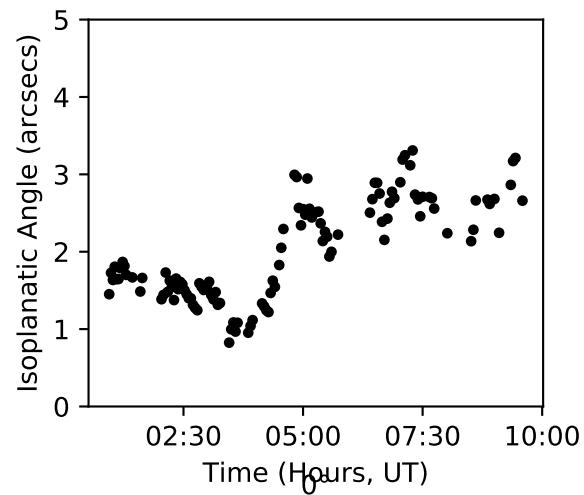
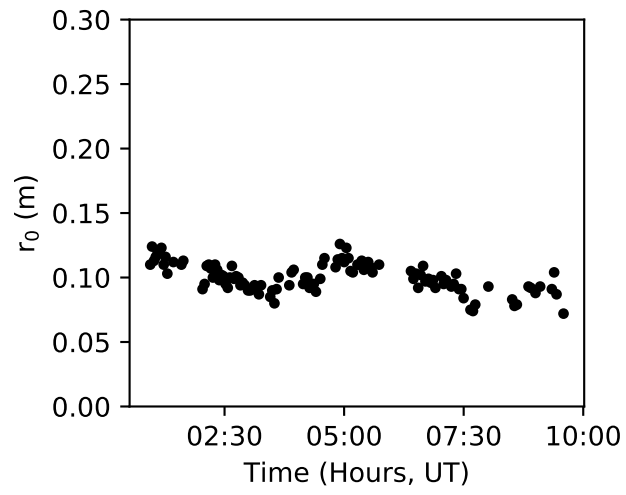
### 2017/07/08



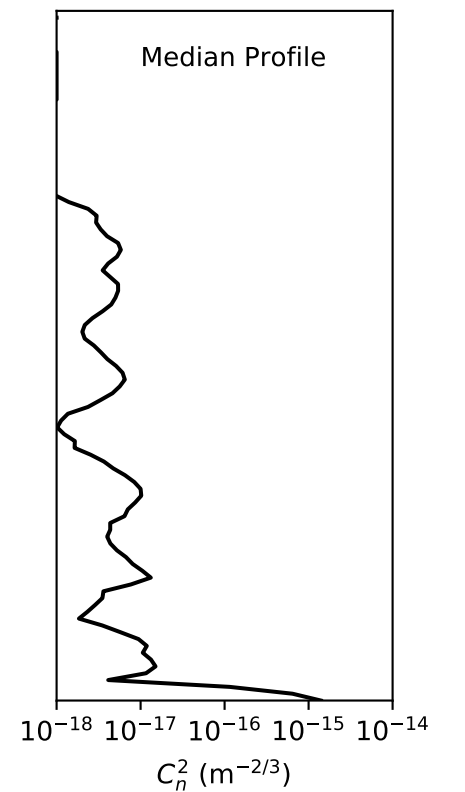
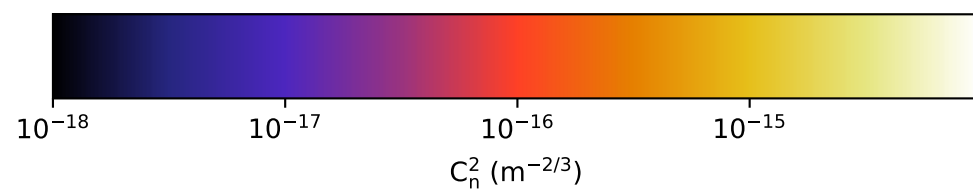
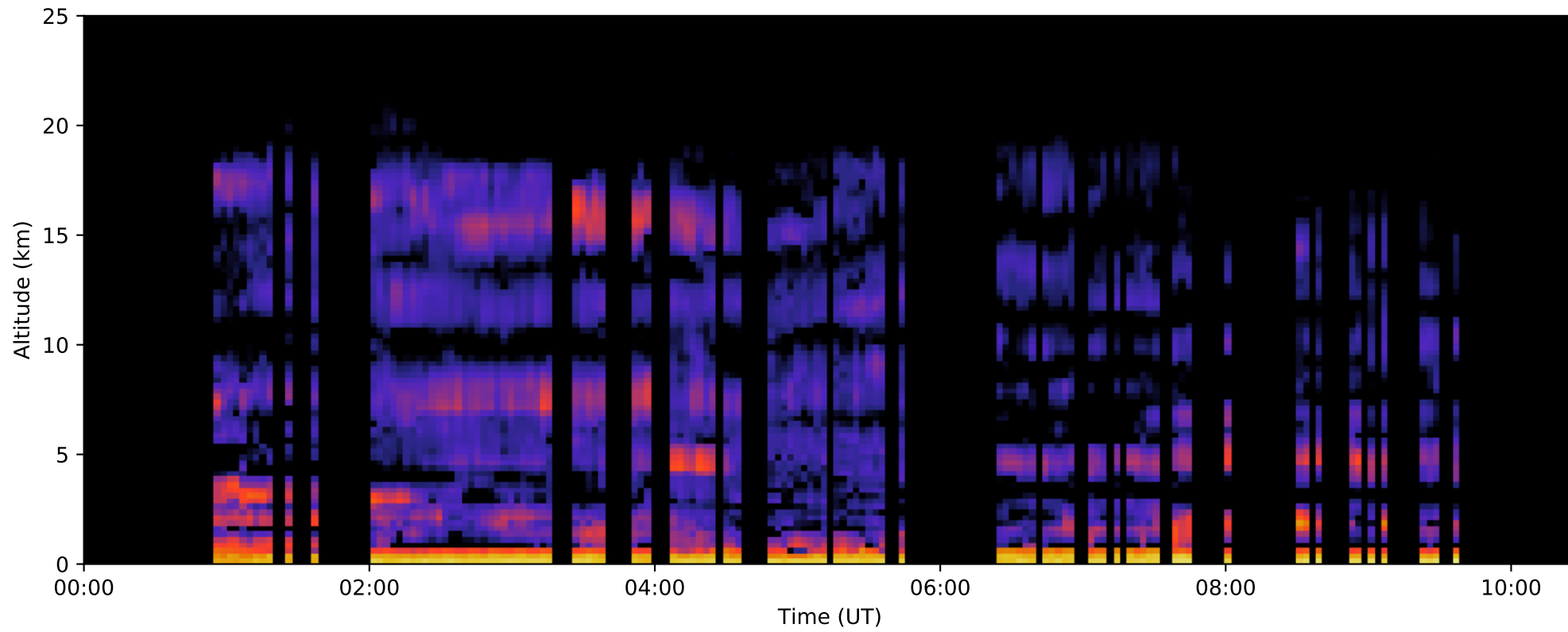


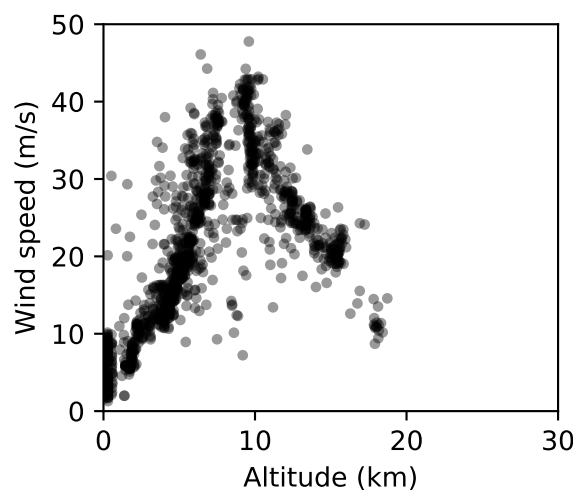
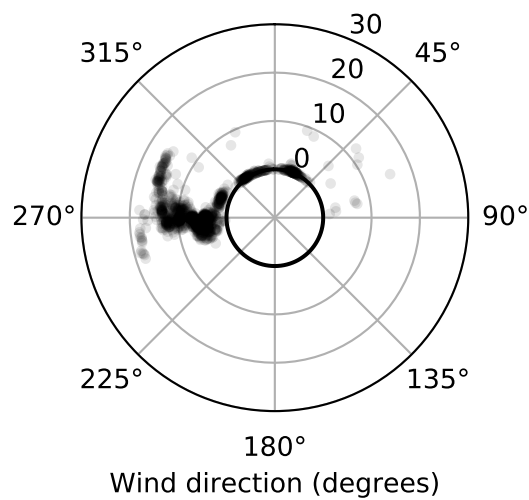
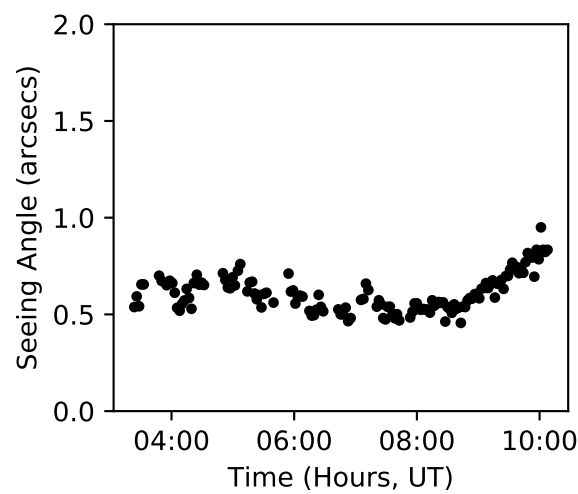
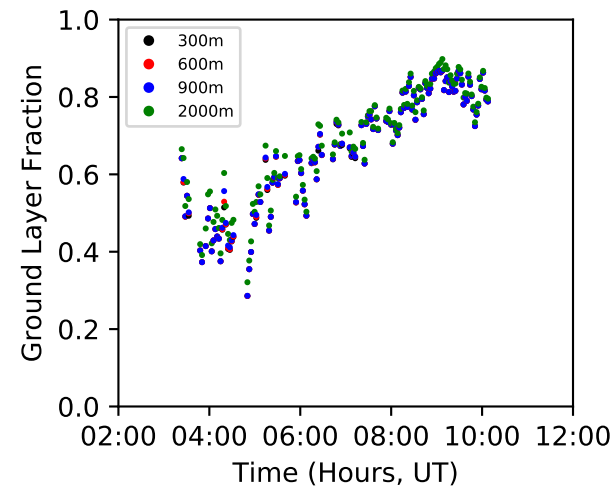
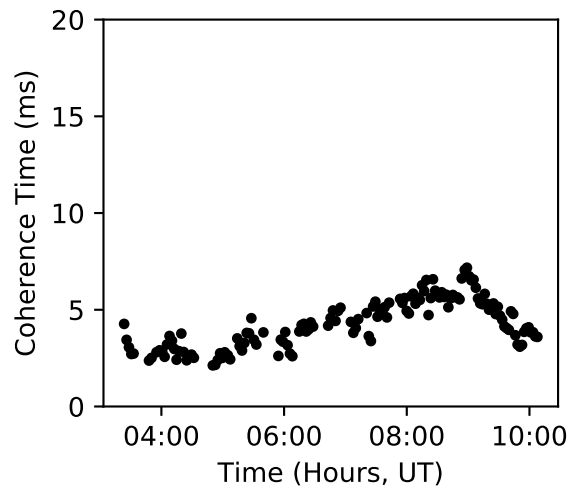
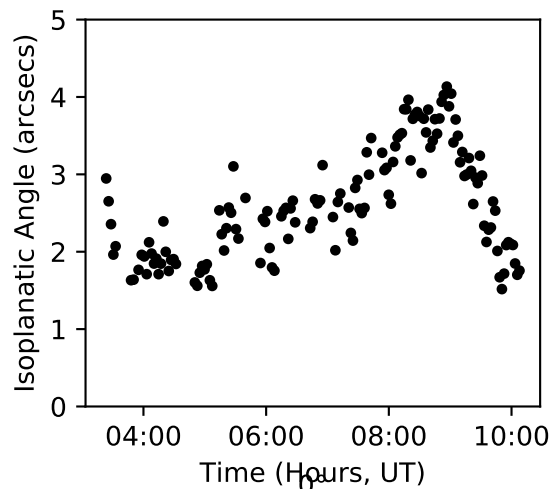
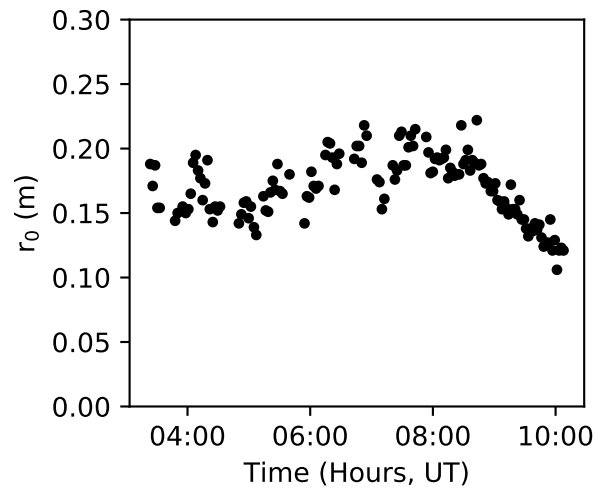
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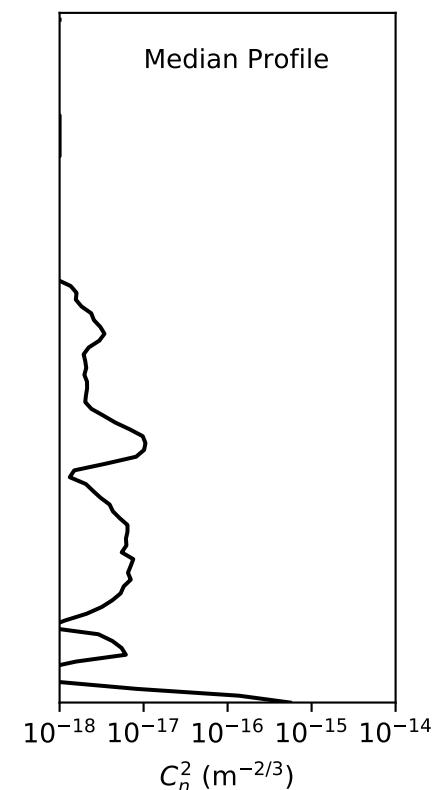
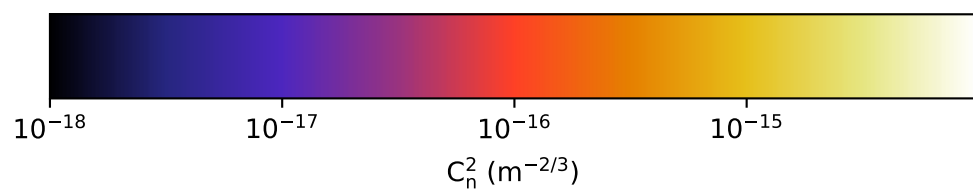
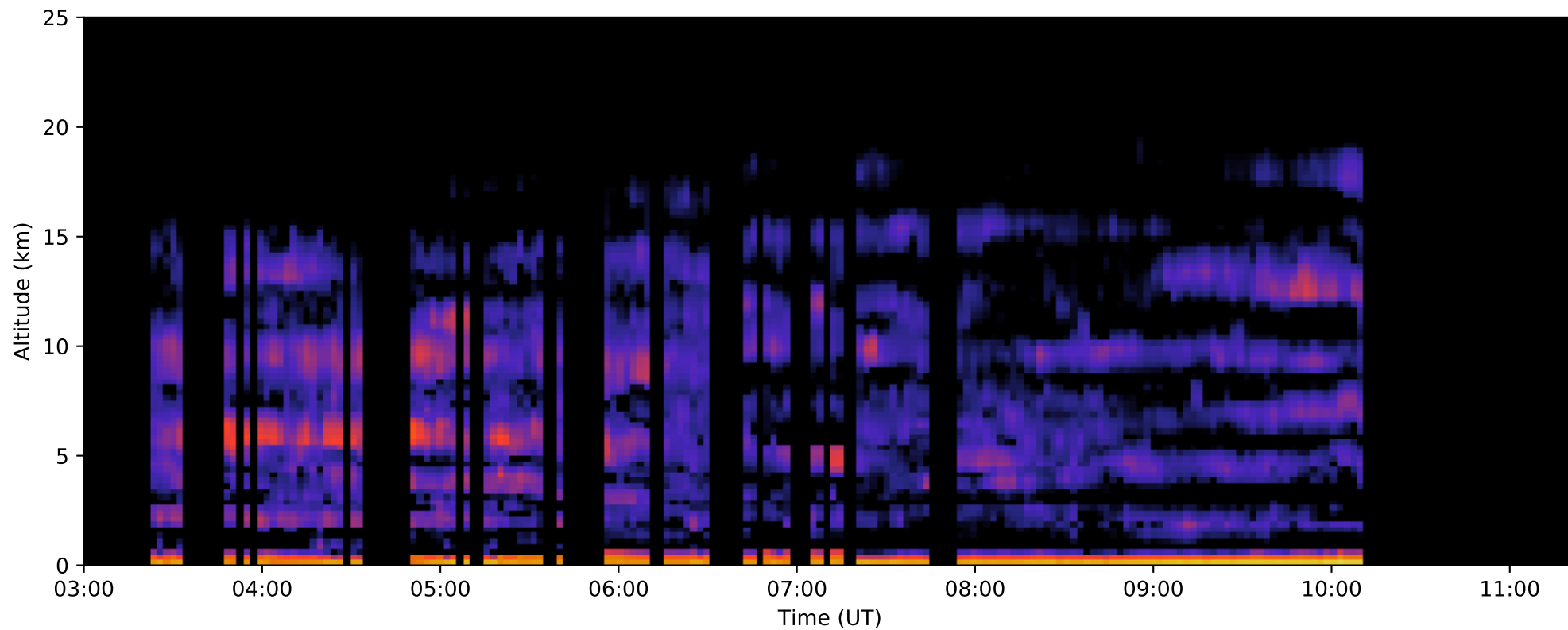


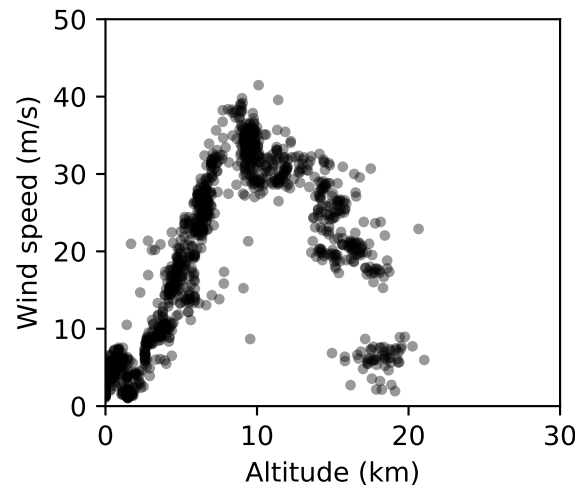
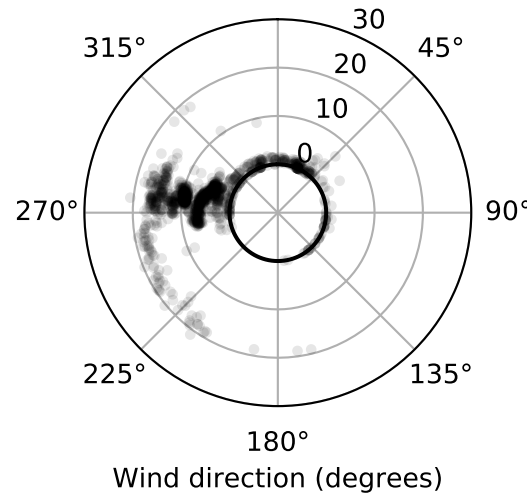
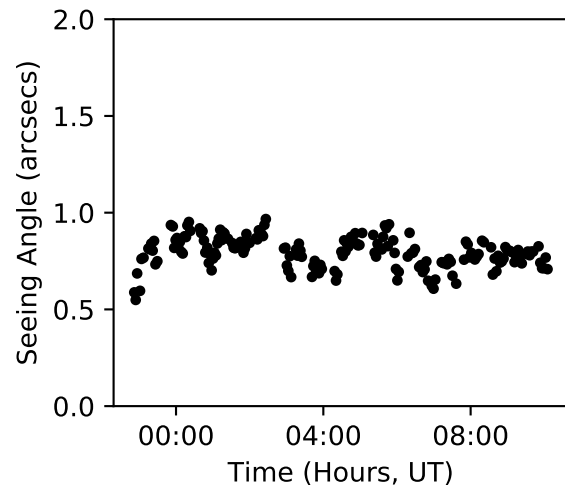
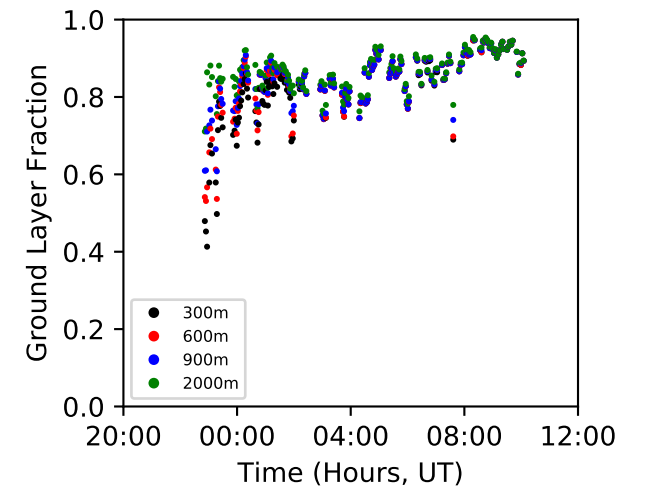
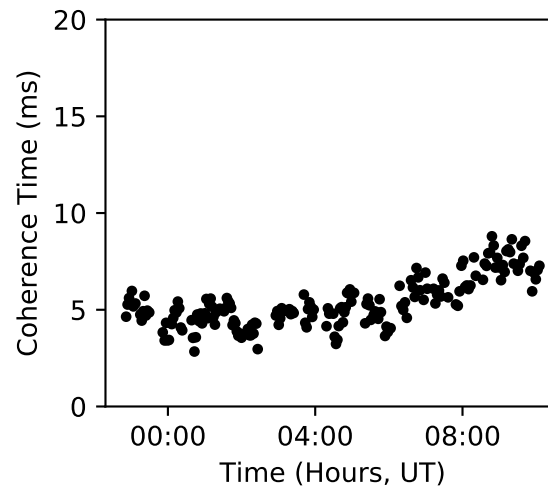
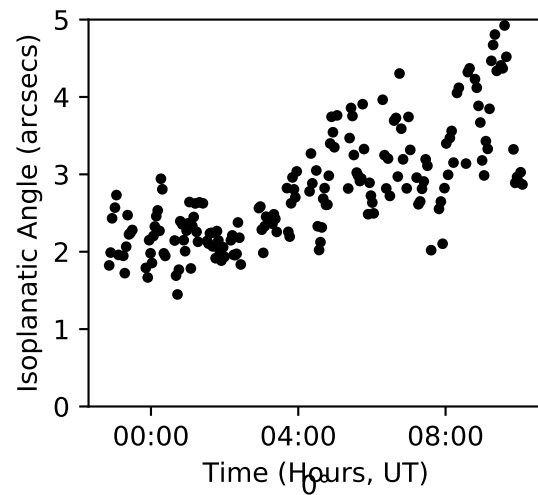
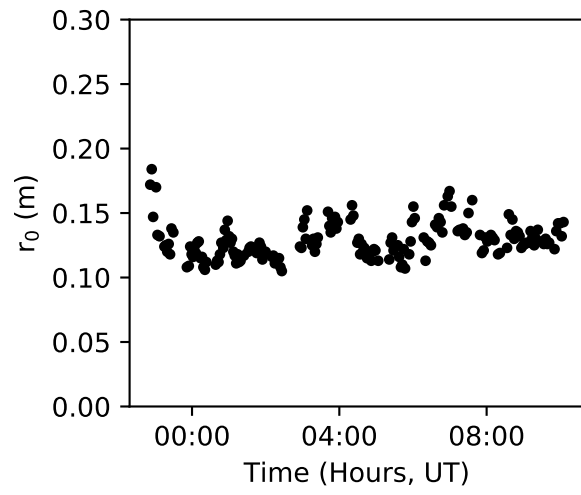
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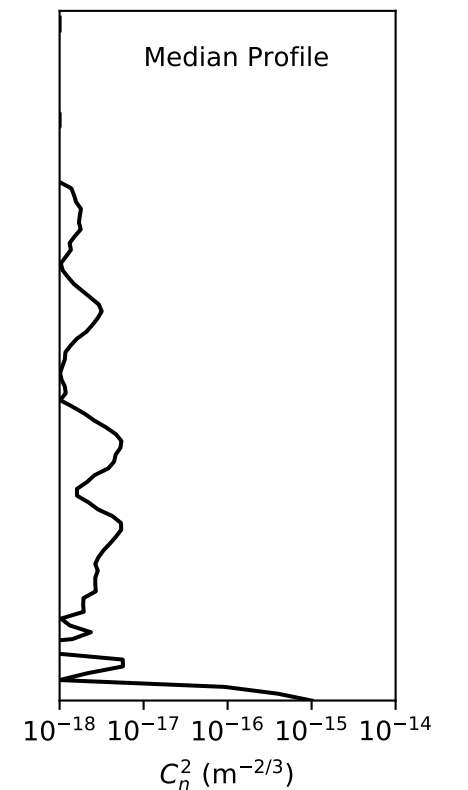
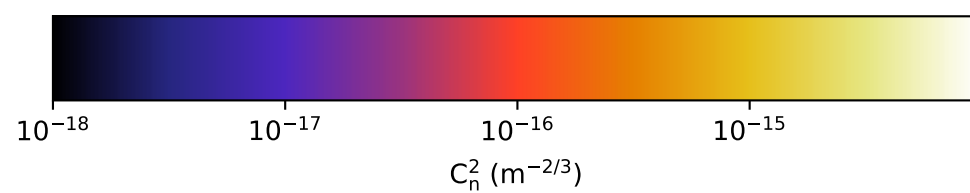
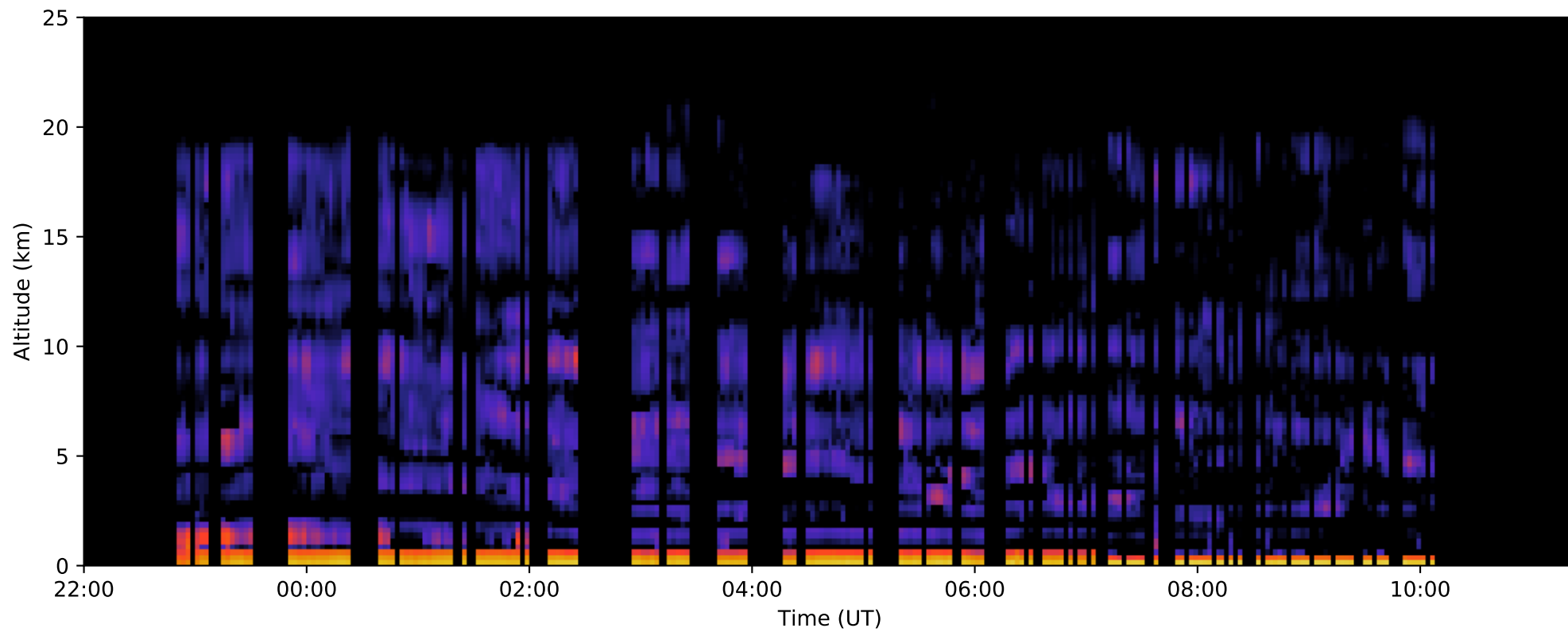


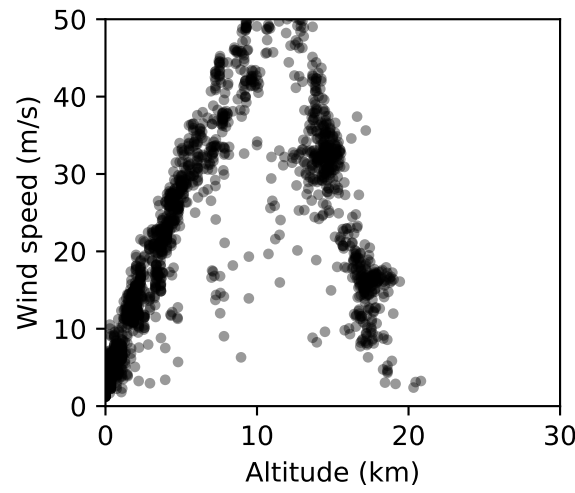
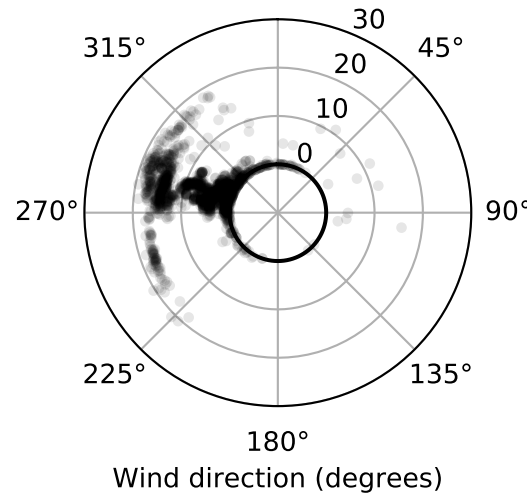
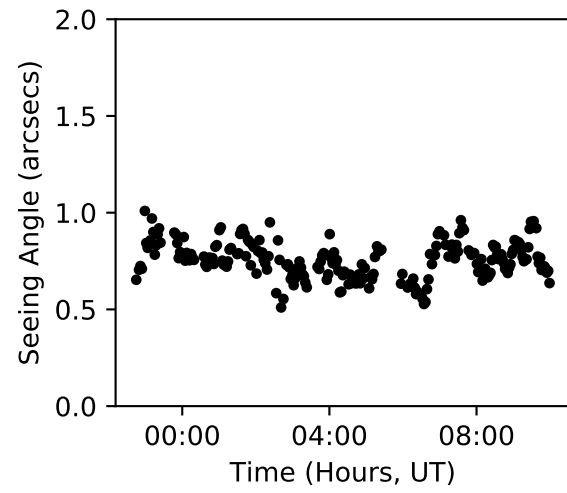
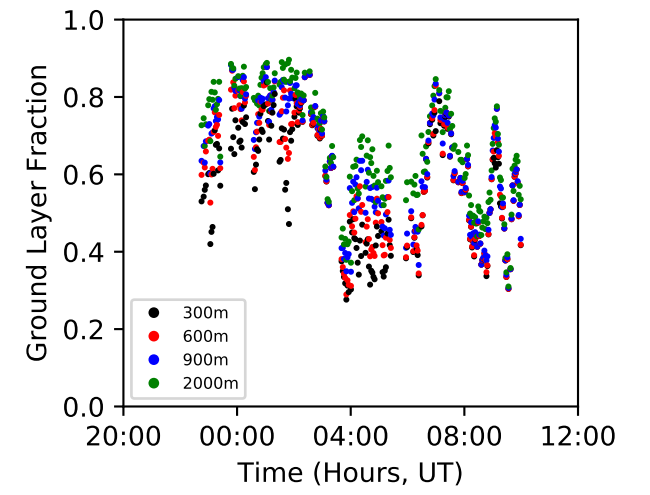
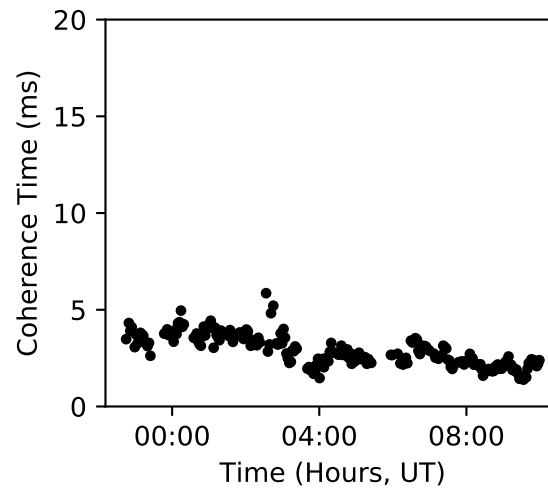
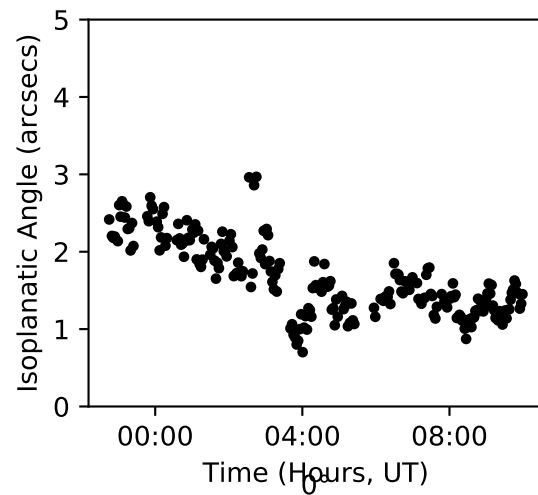
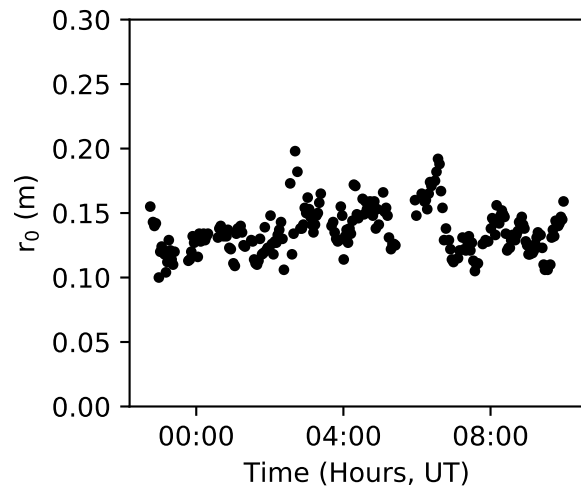
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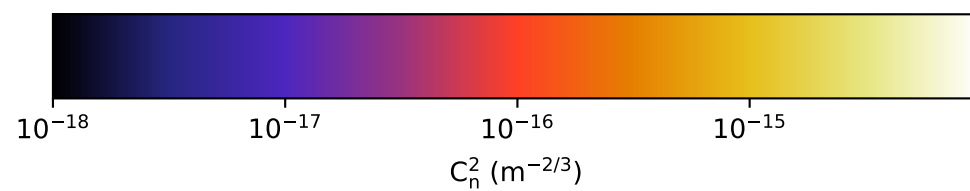
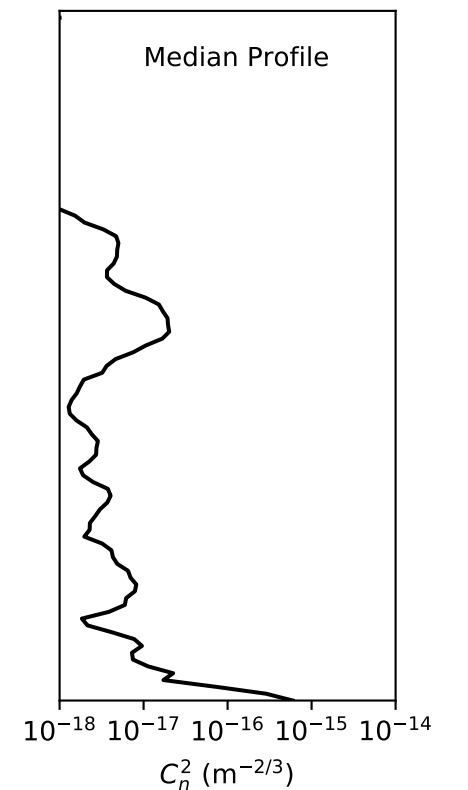
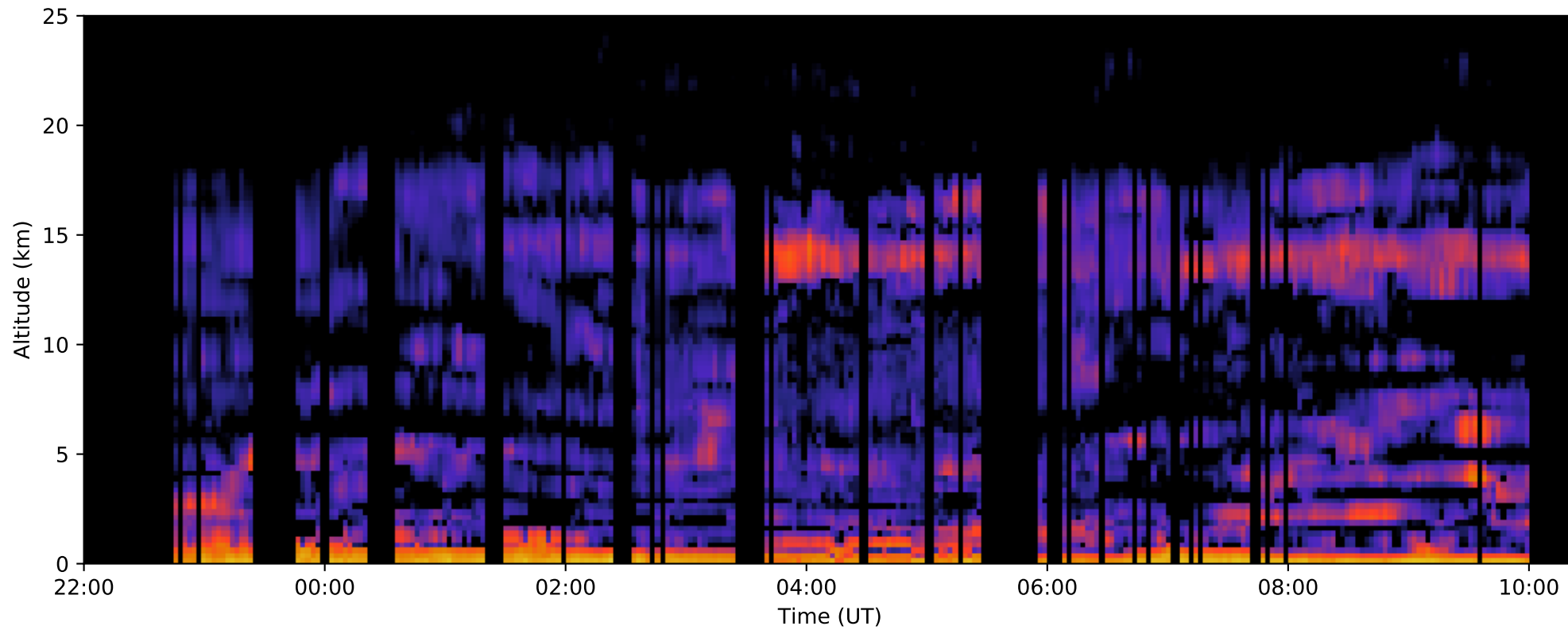


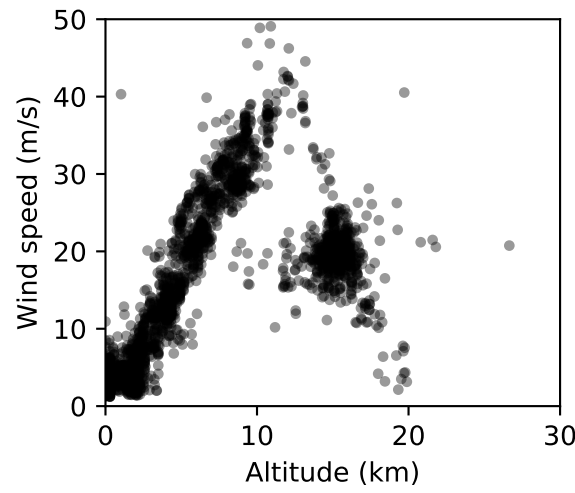
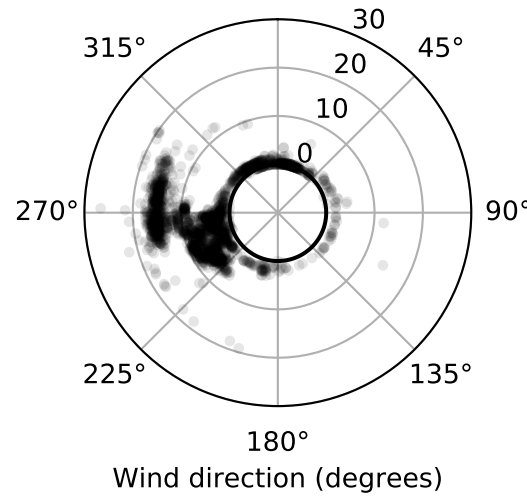
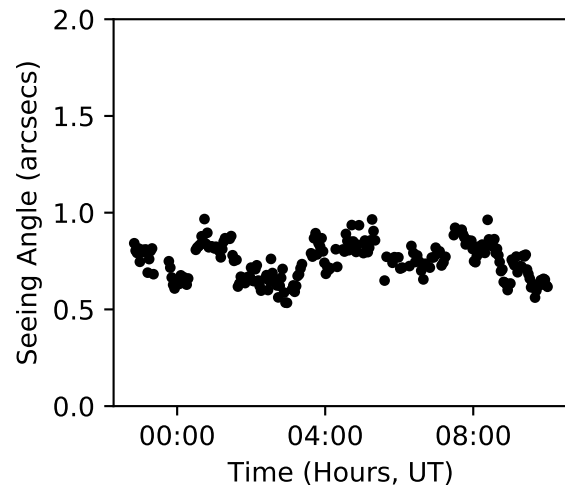
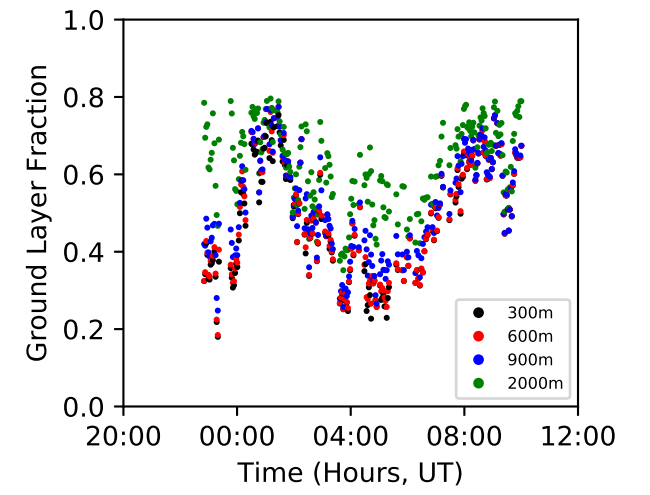
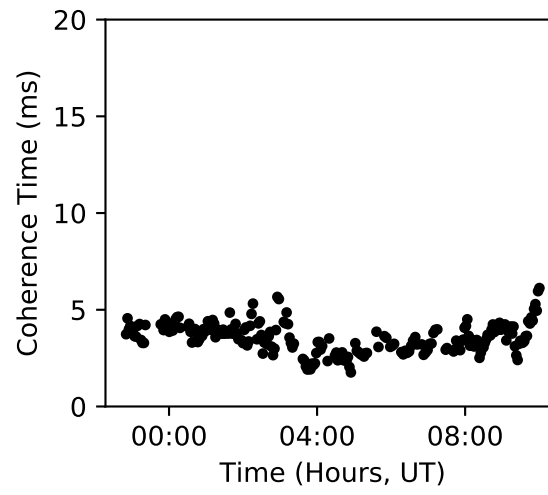
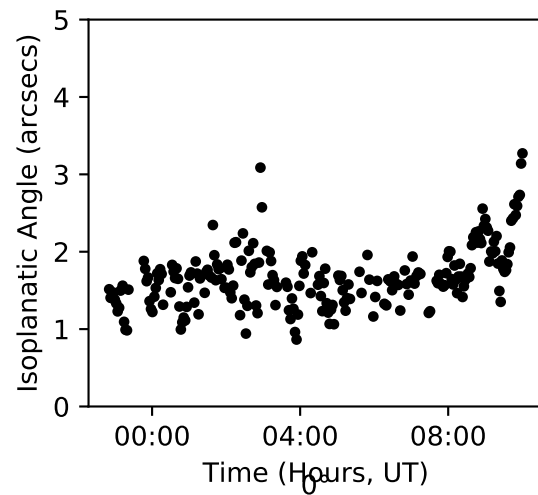
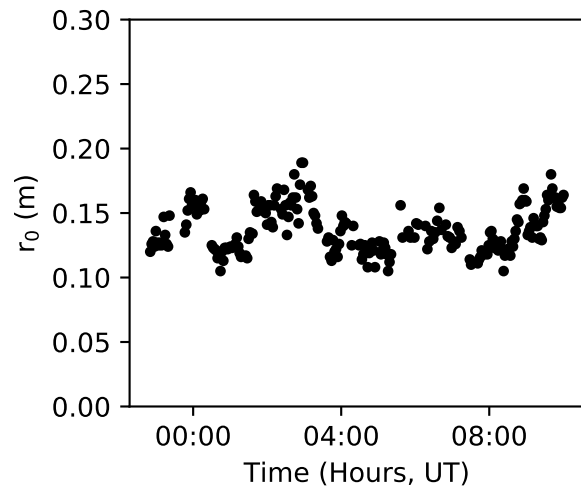
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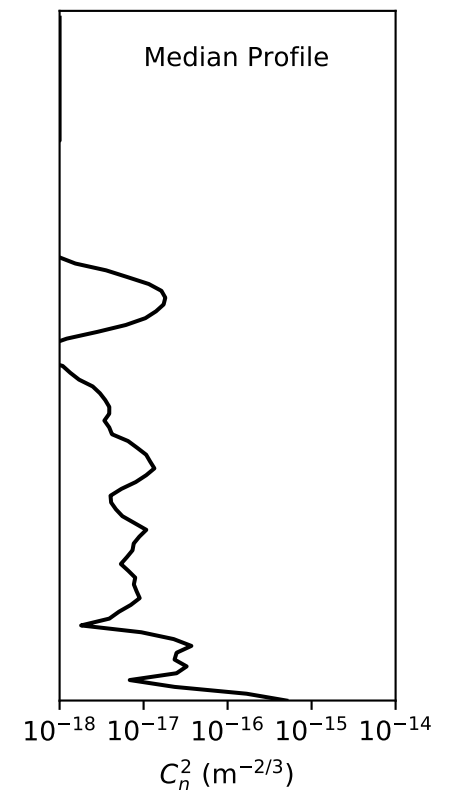
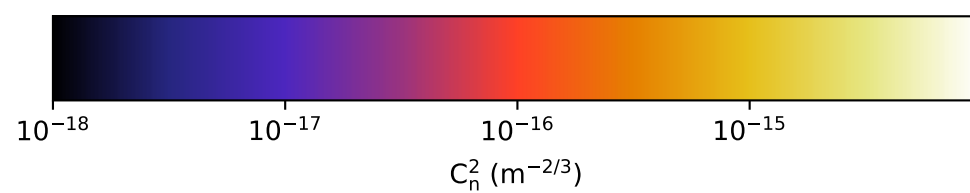
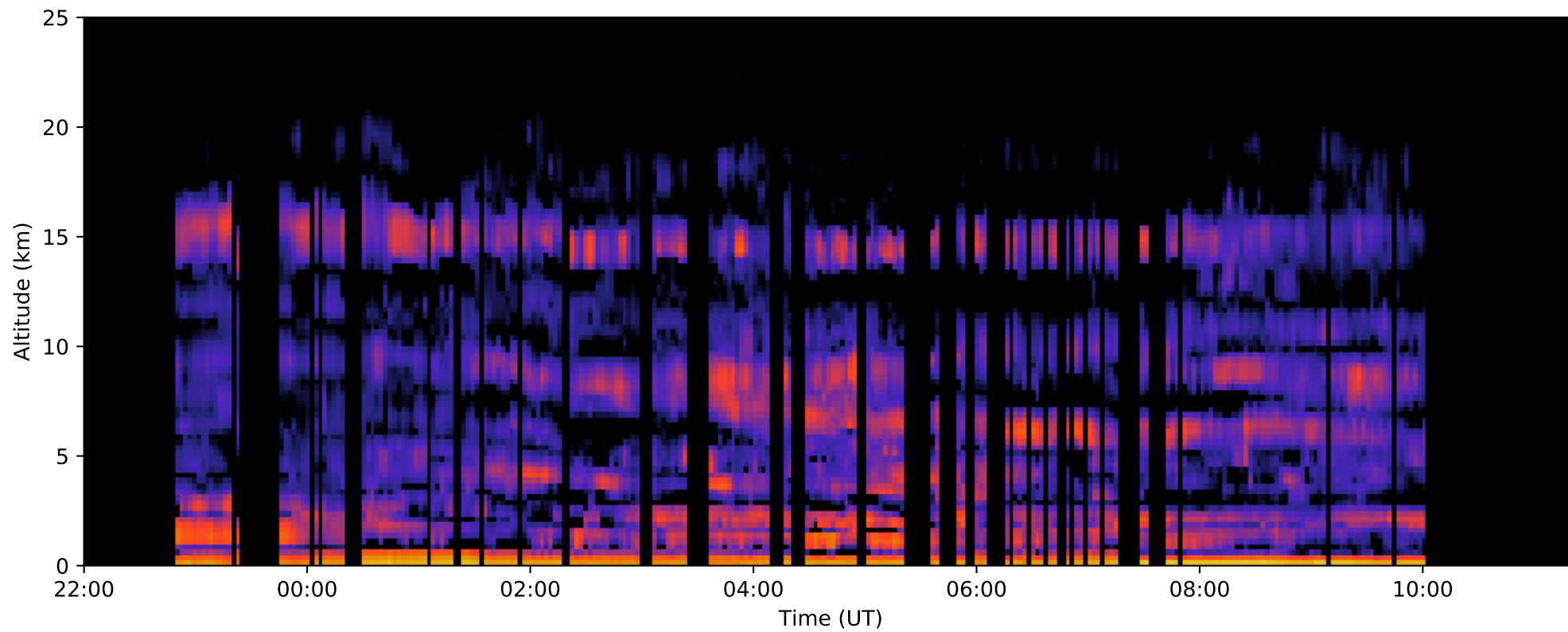


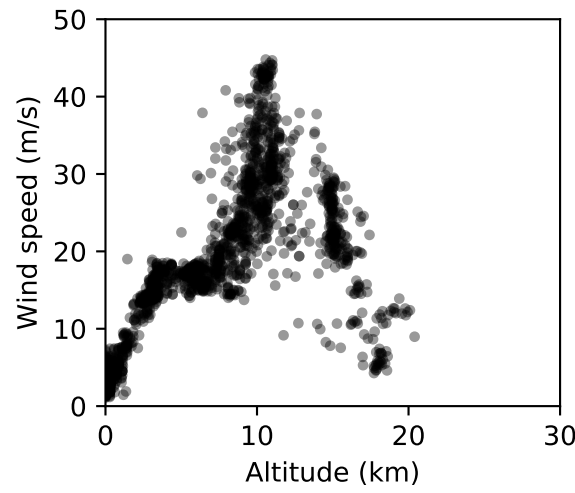
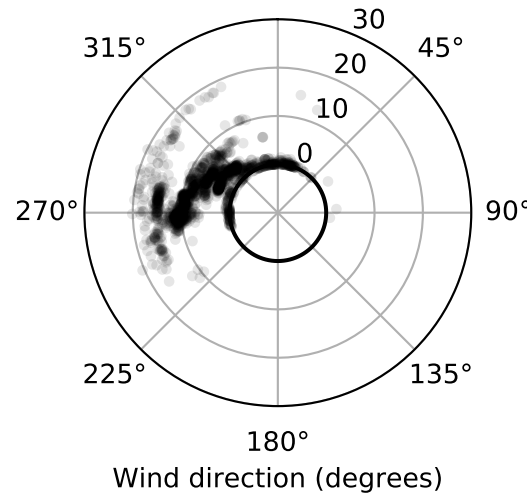
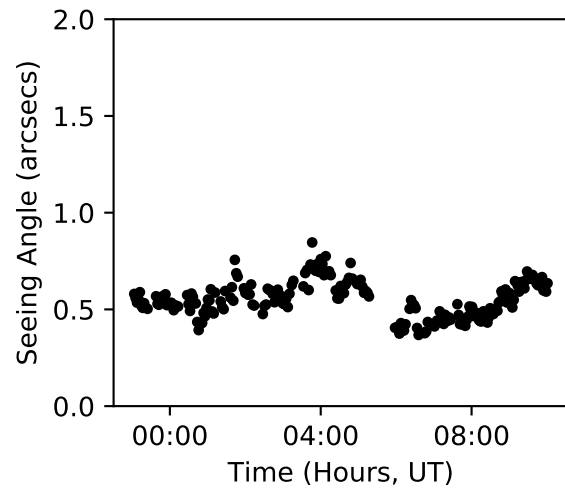
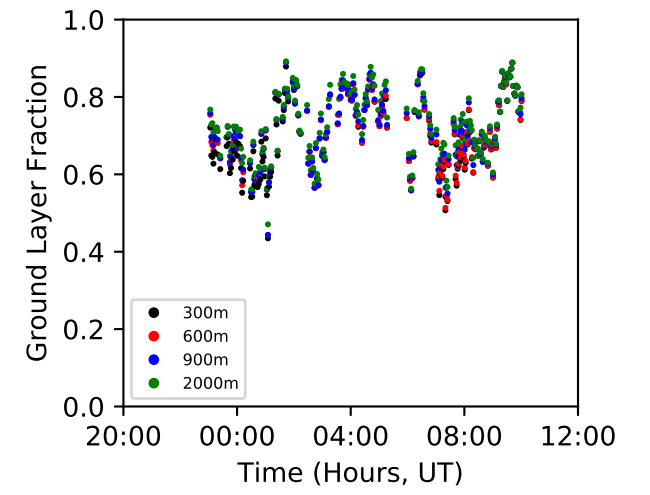
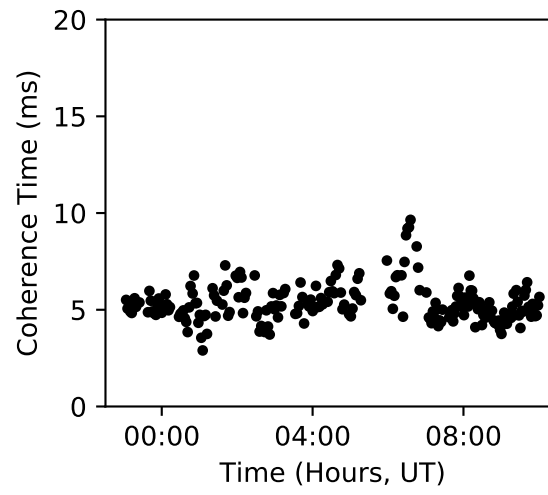
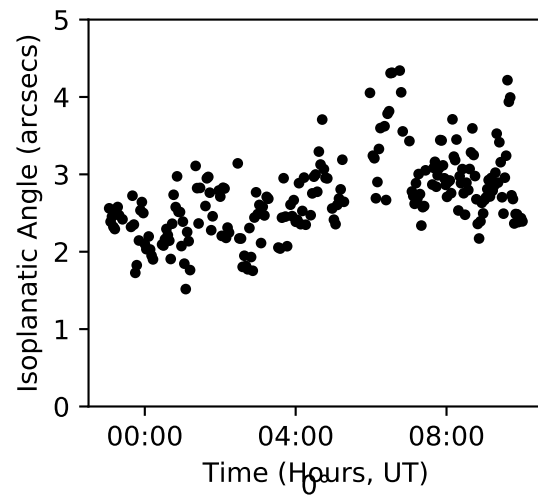
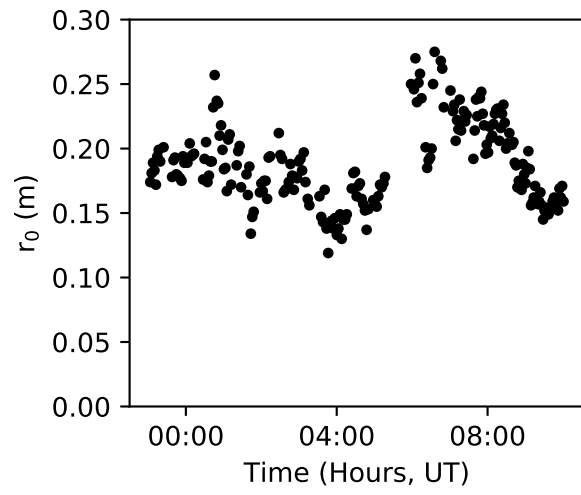
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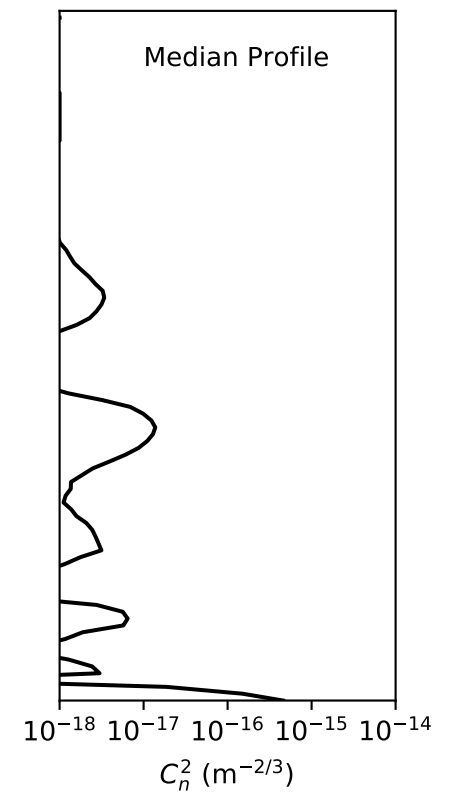
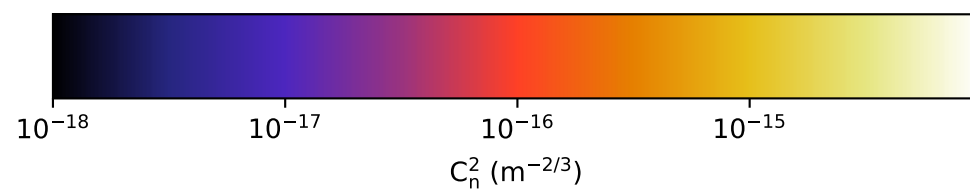
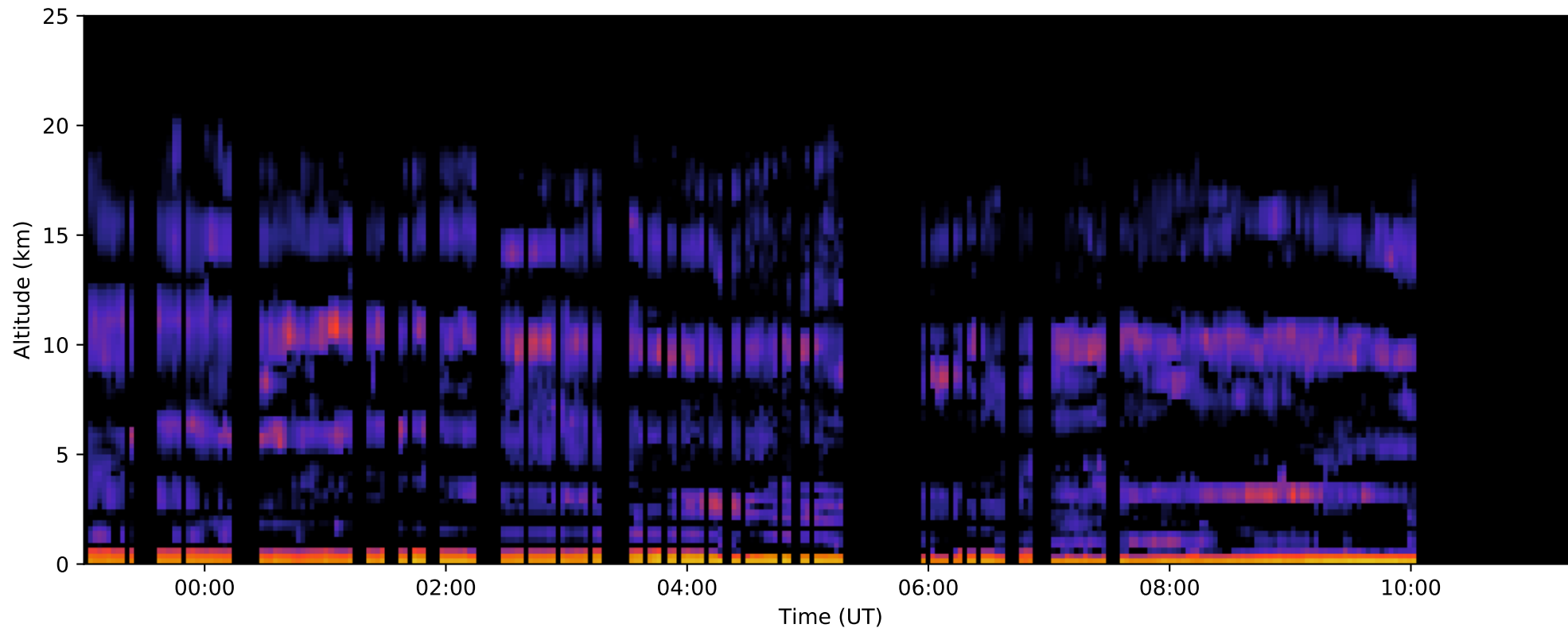


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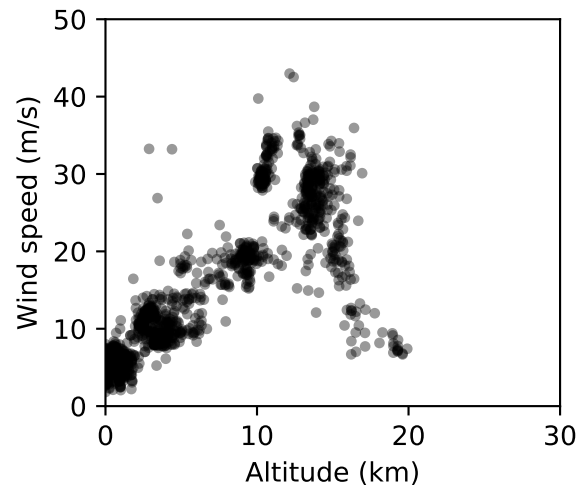
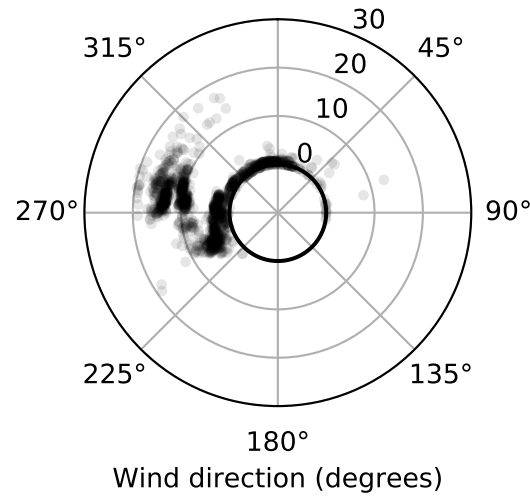
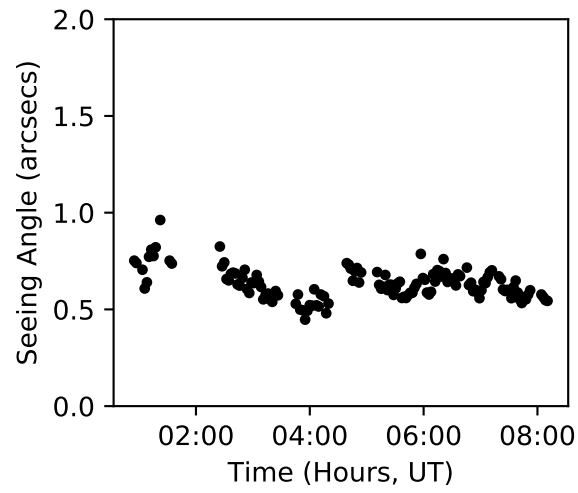
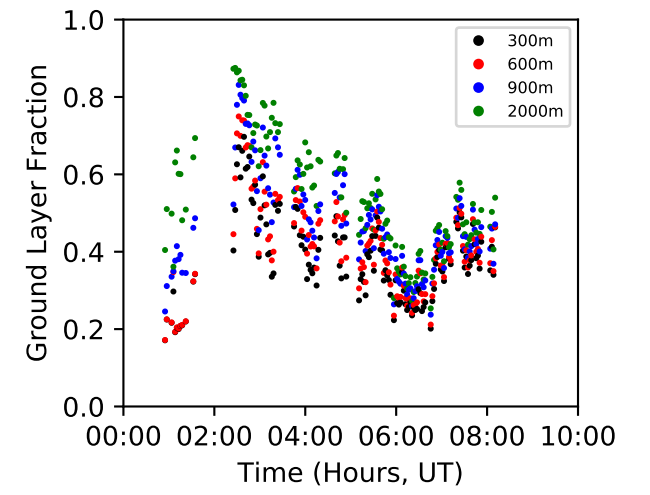
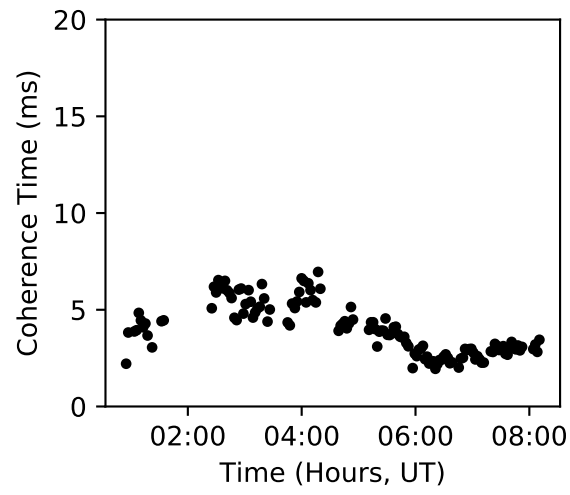
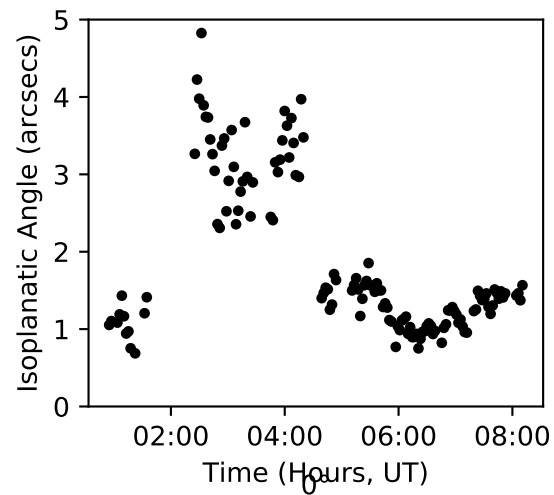
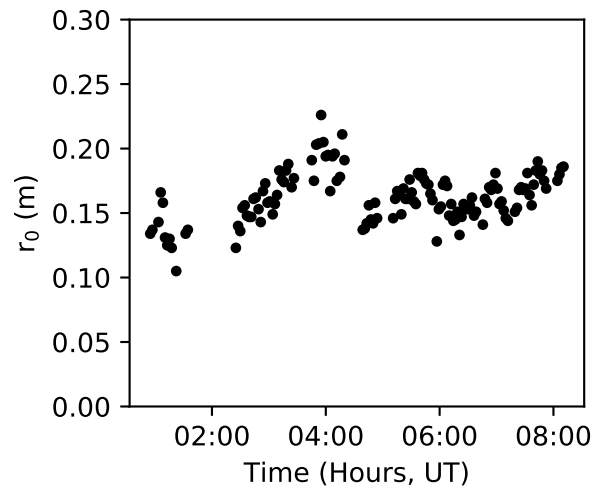




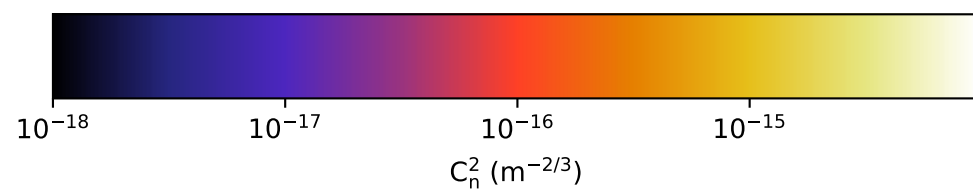
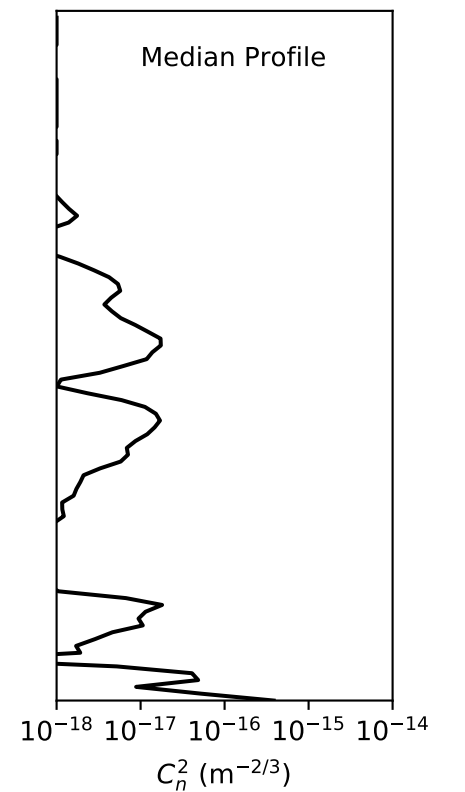
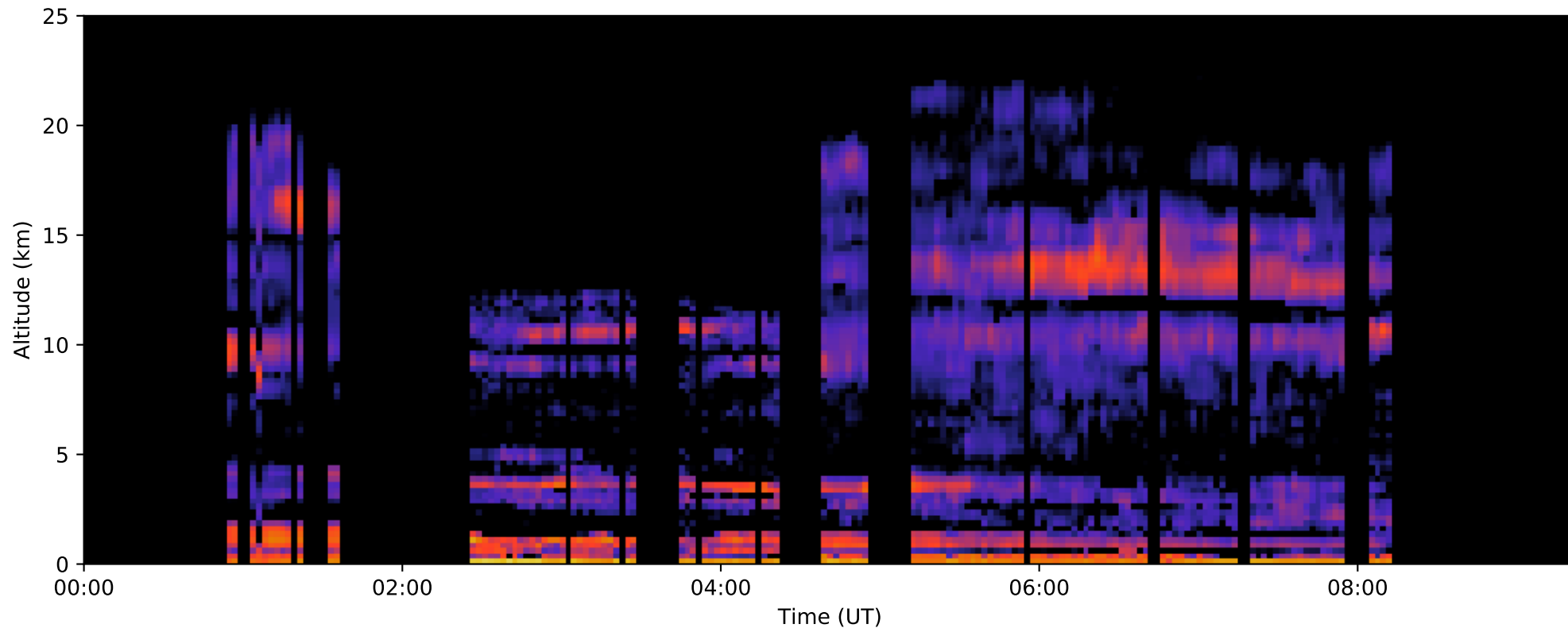
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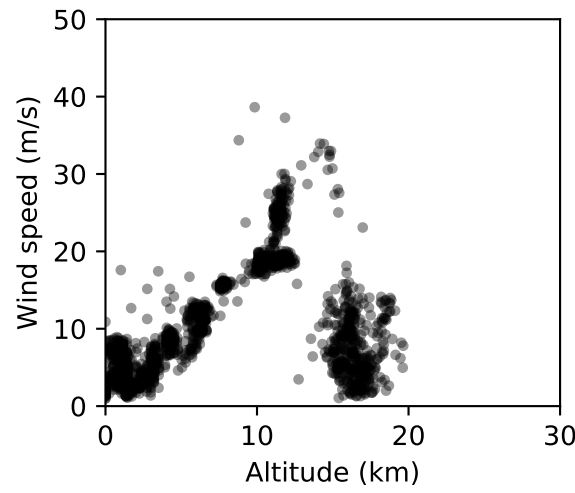
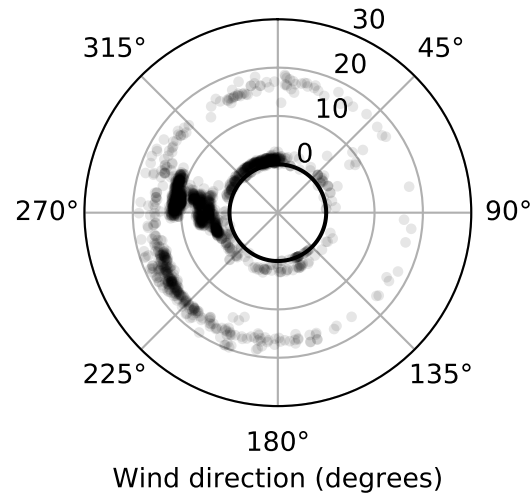
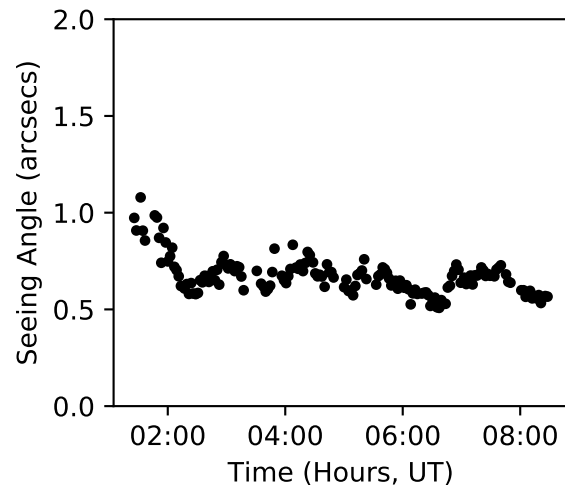
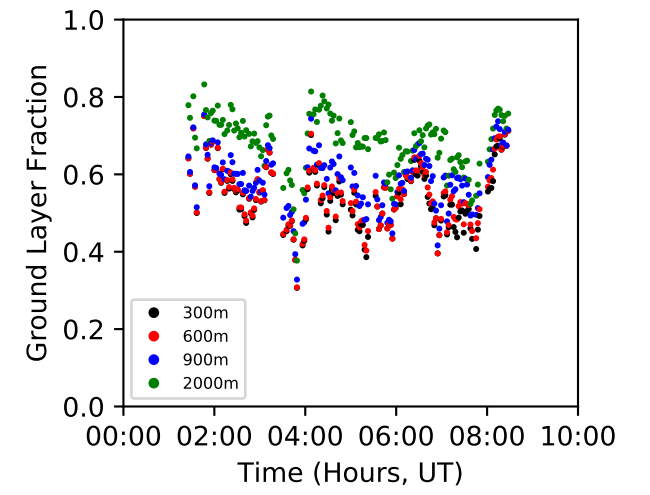
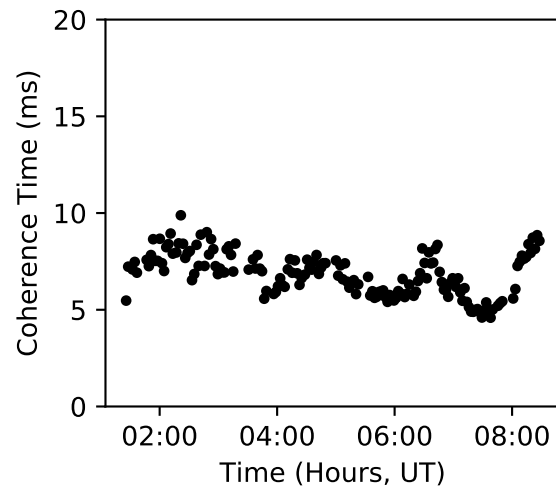
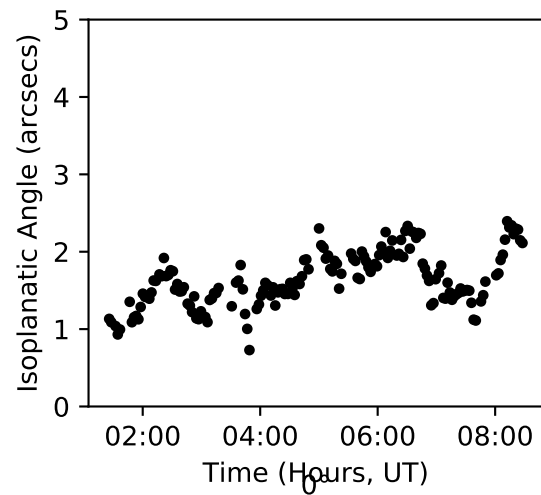
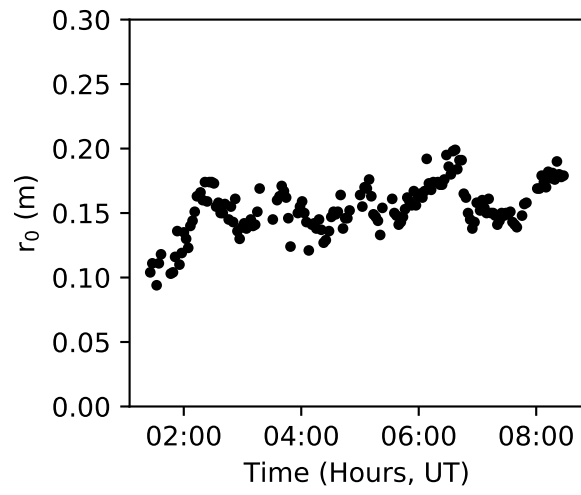




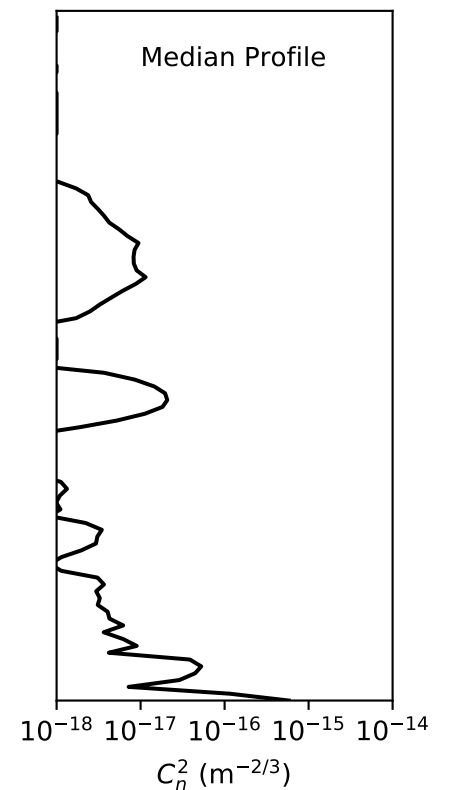
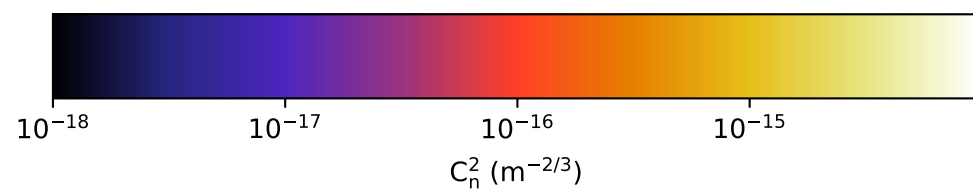
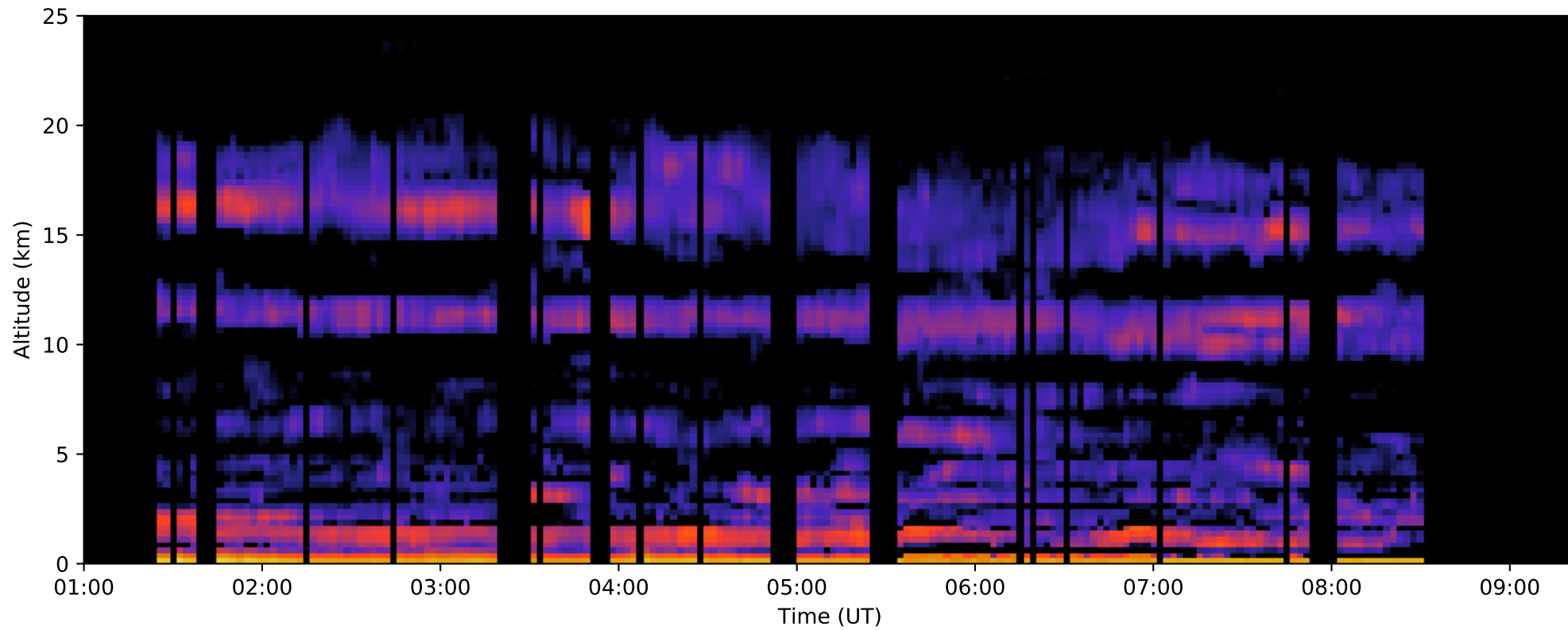


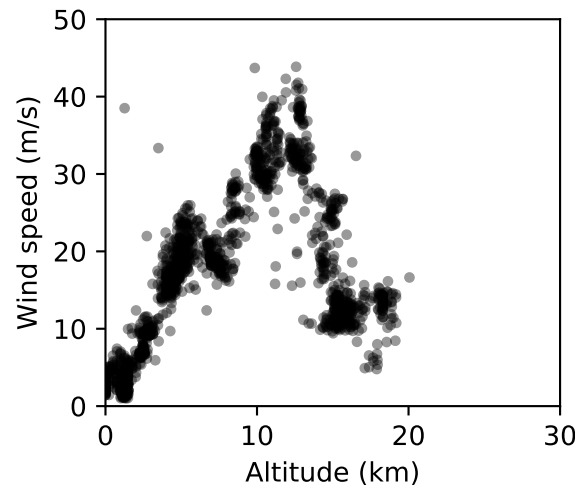
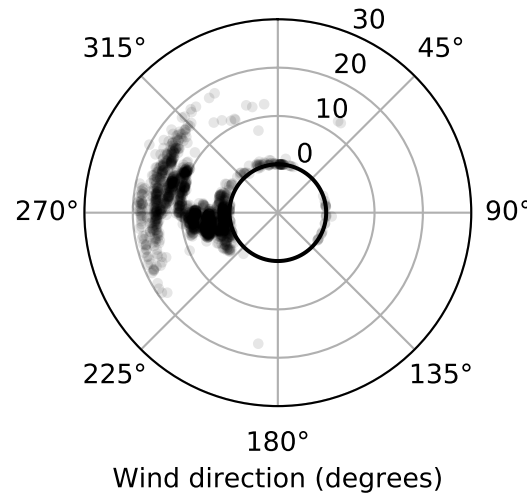
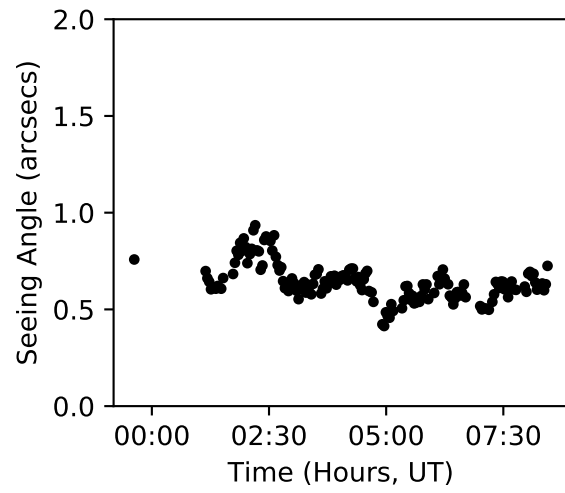
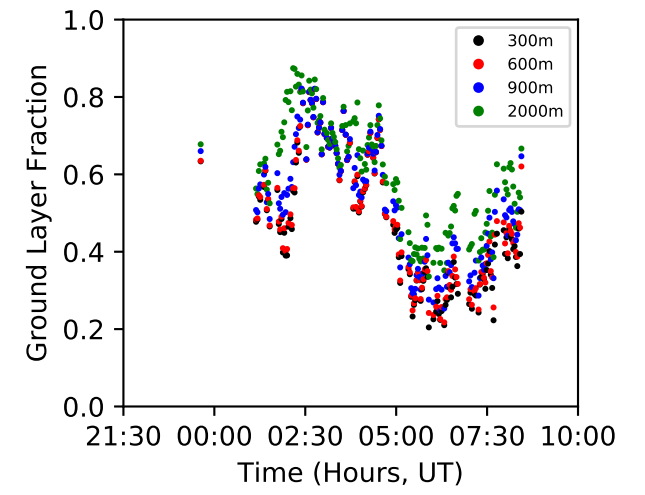
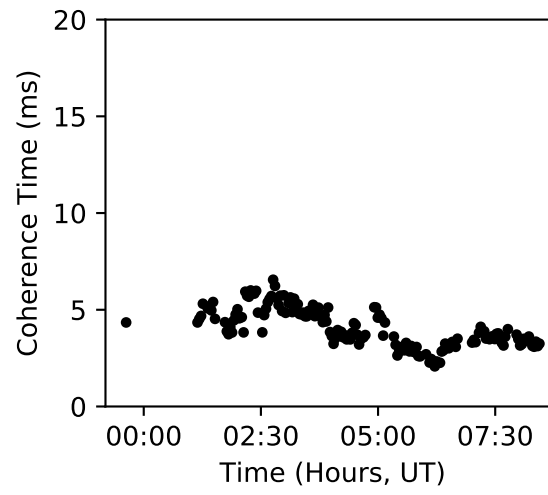
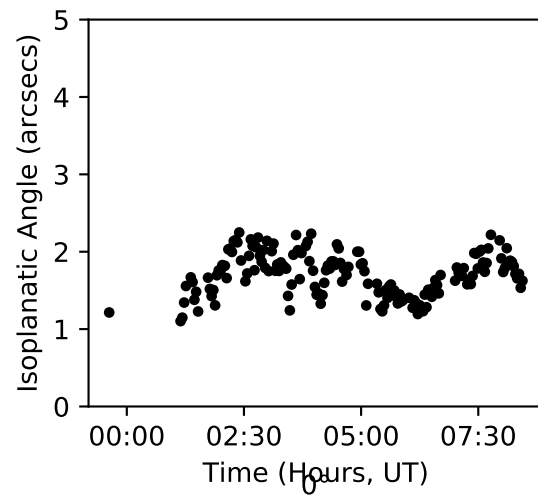
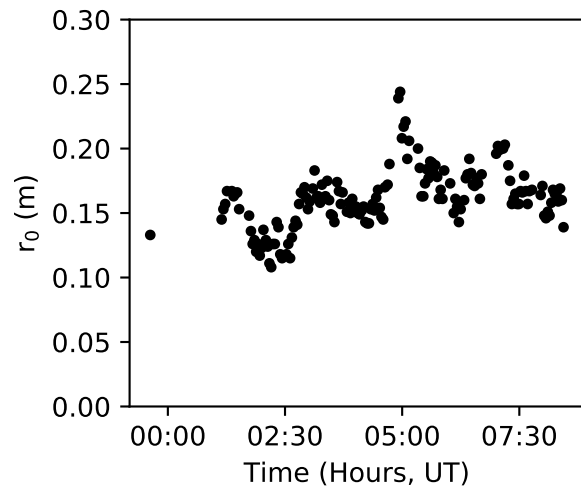
### 2017/11/04



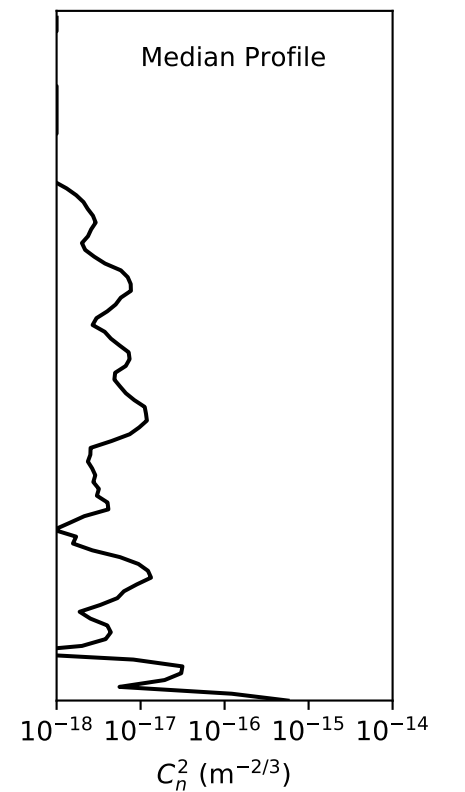
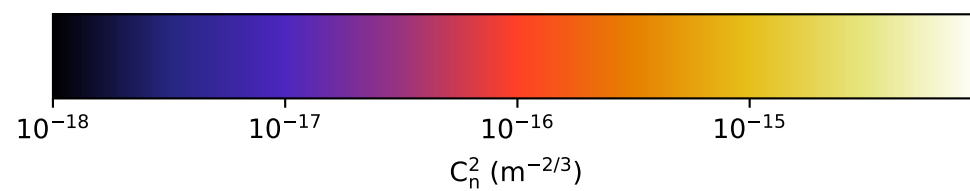
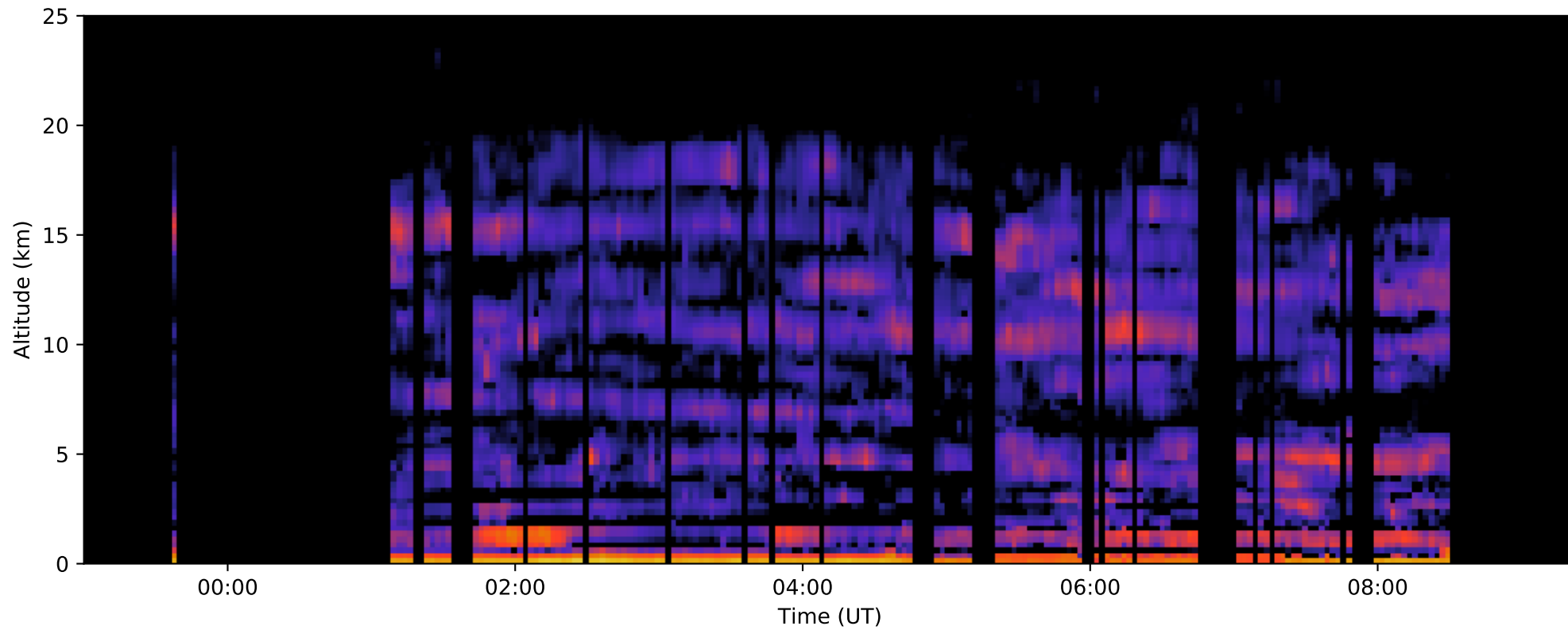


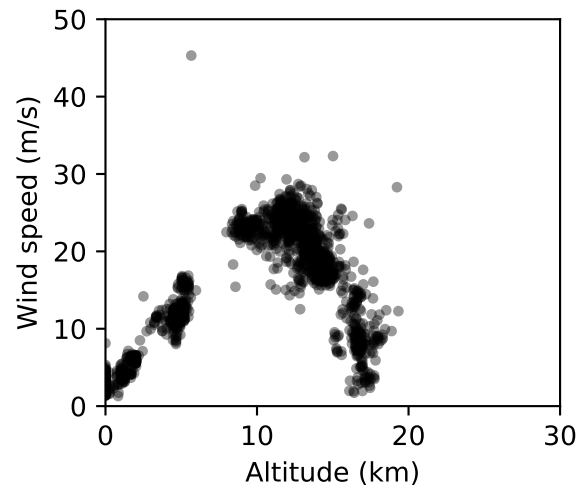
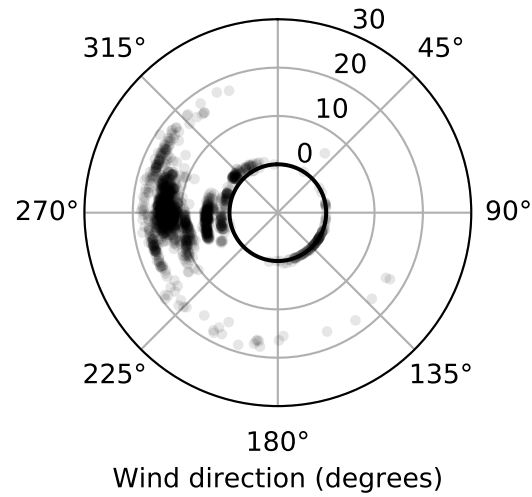
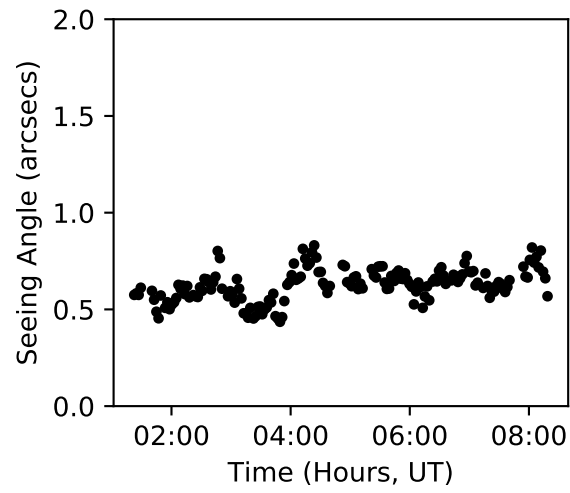
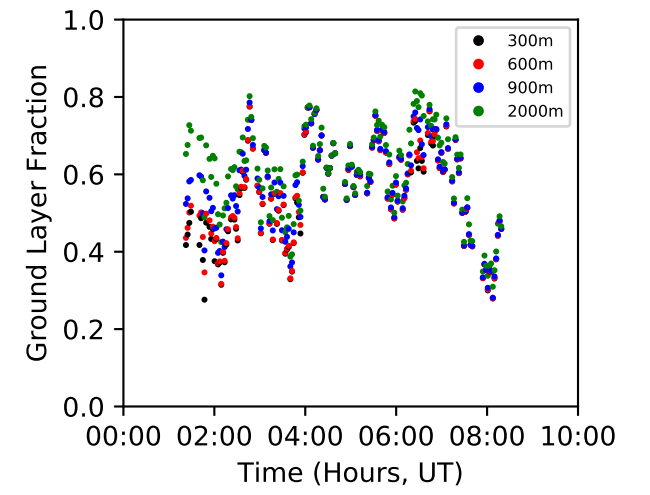
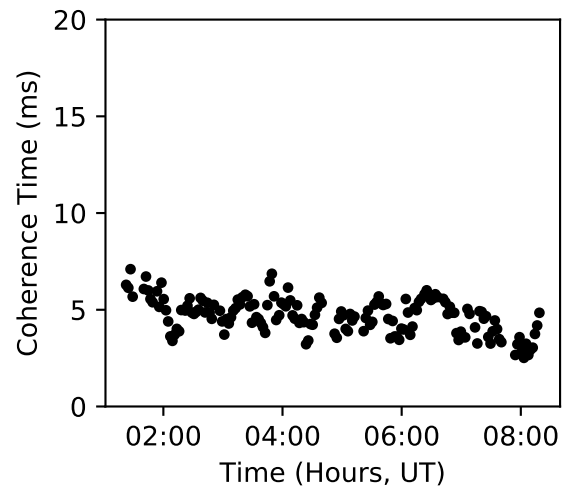
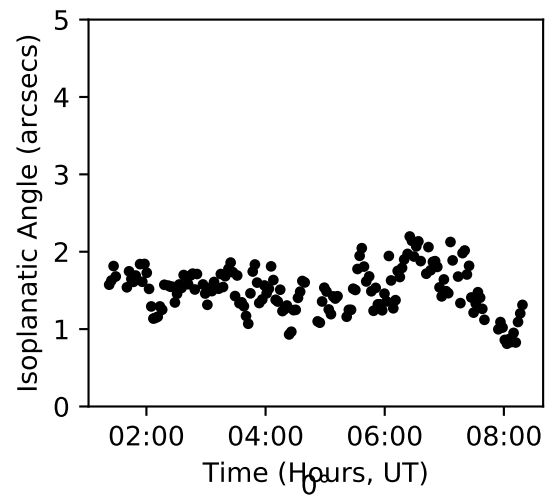
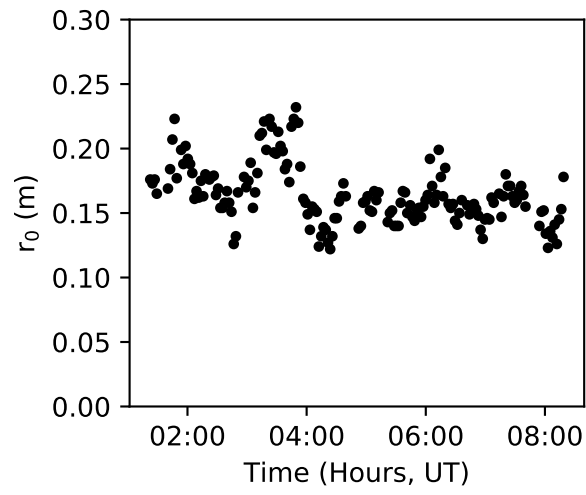
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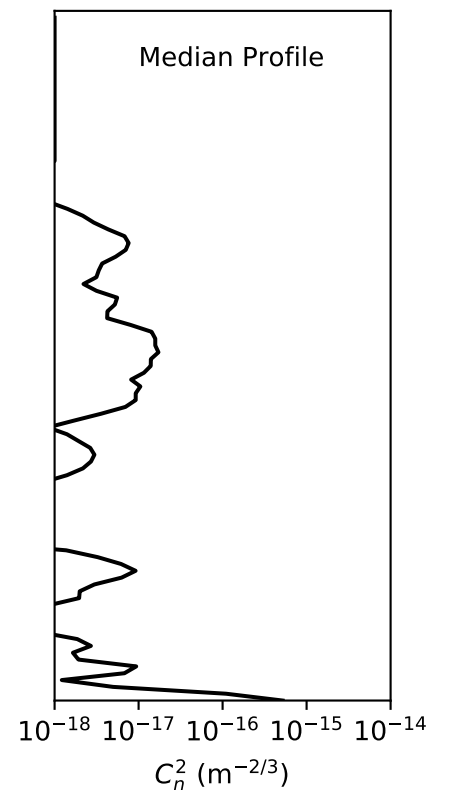
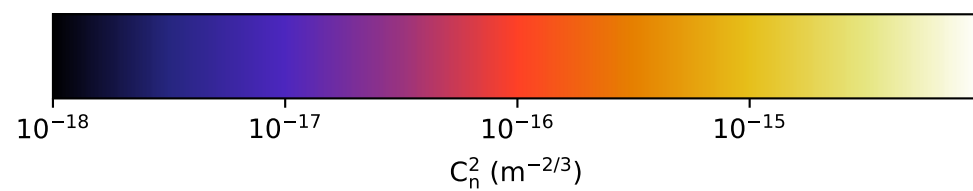
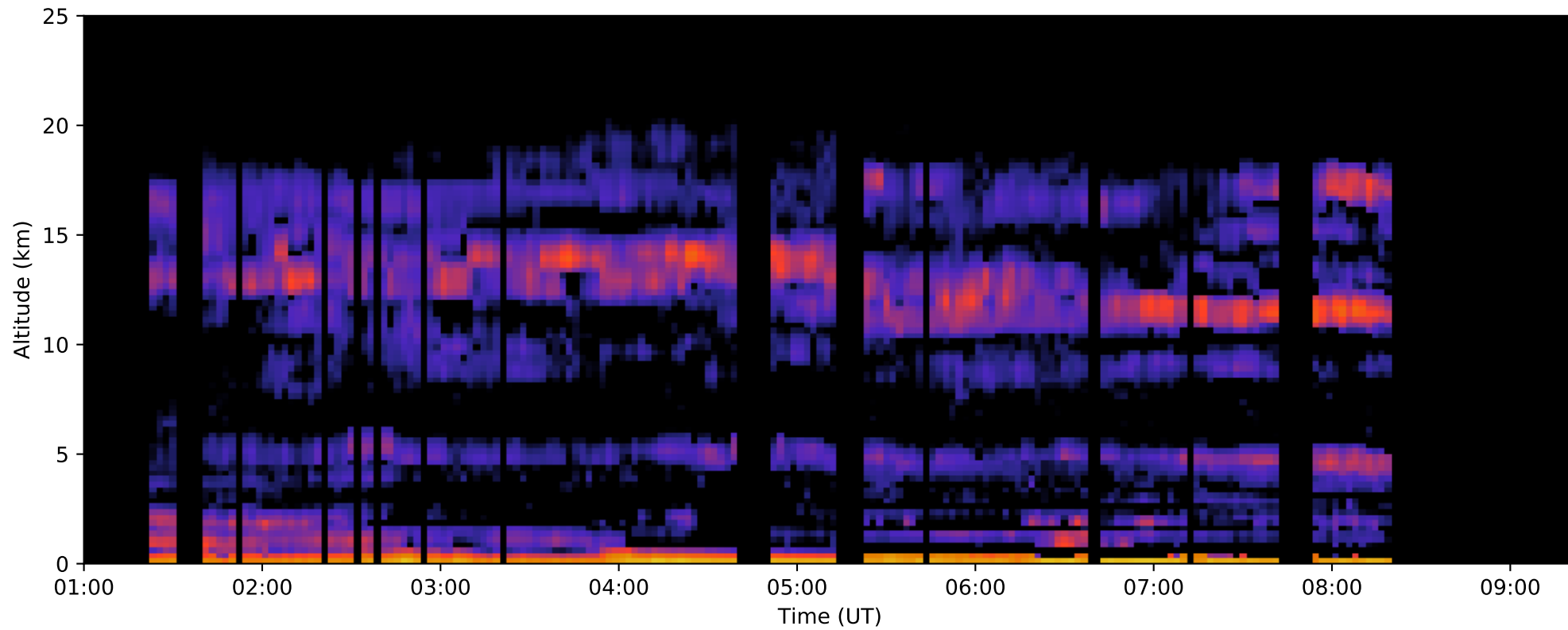


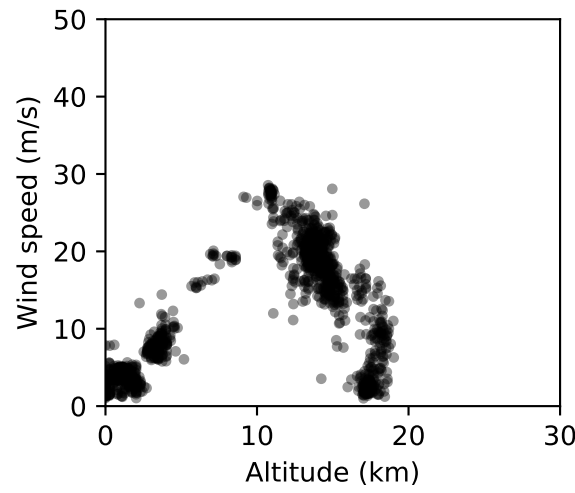
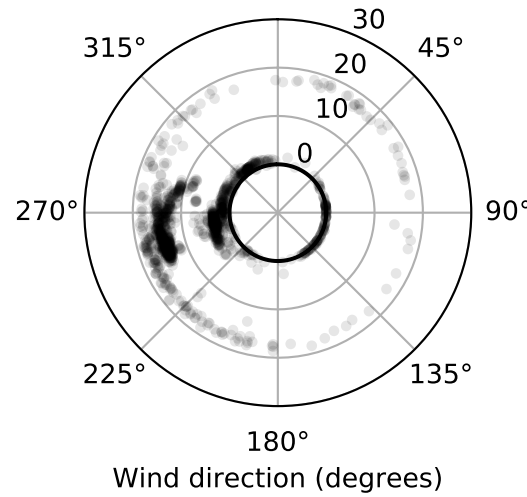
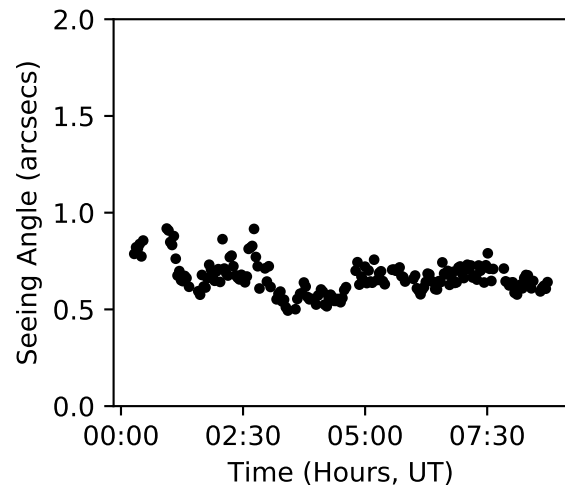
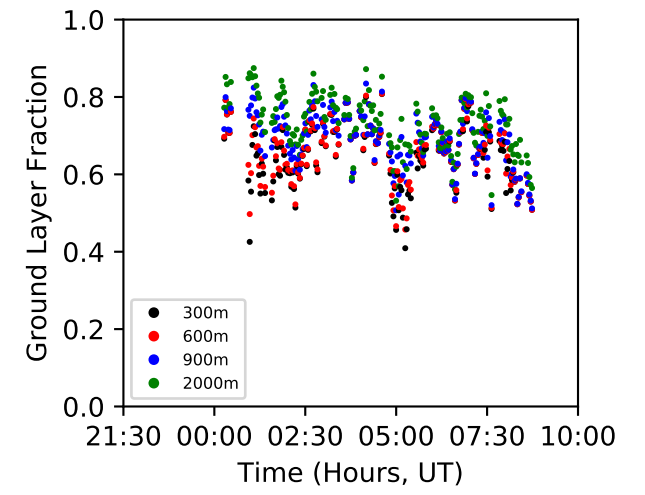
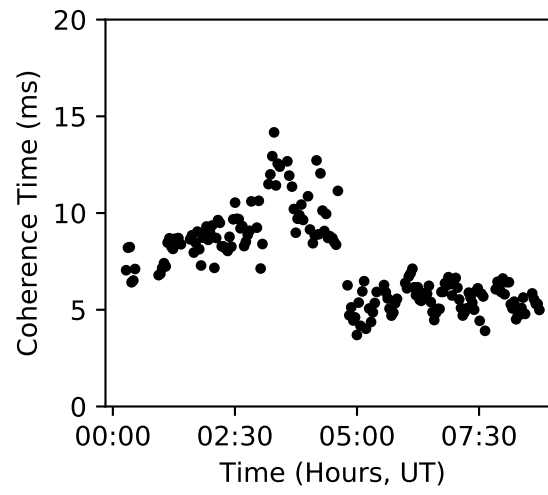
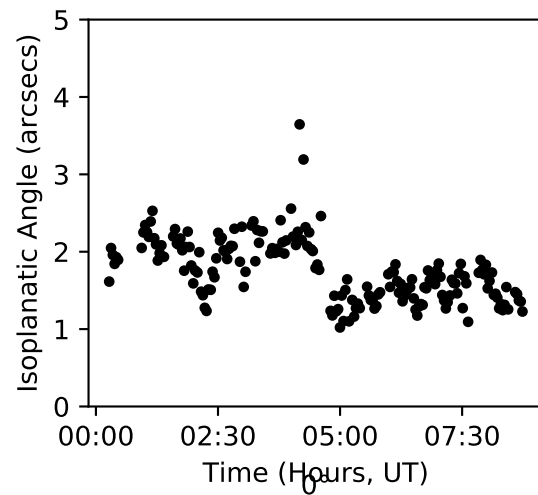
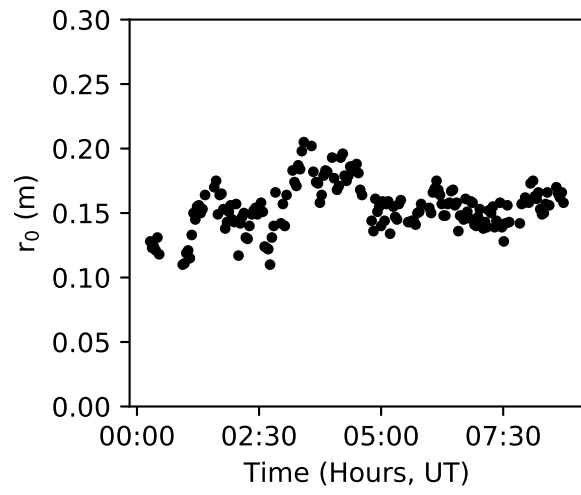
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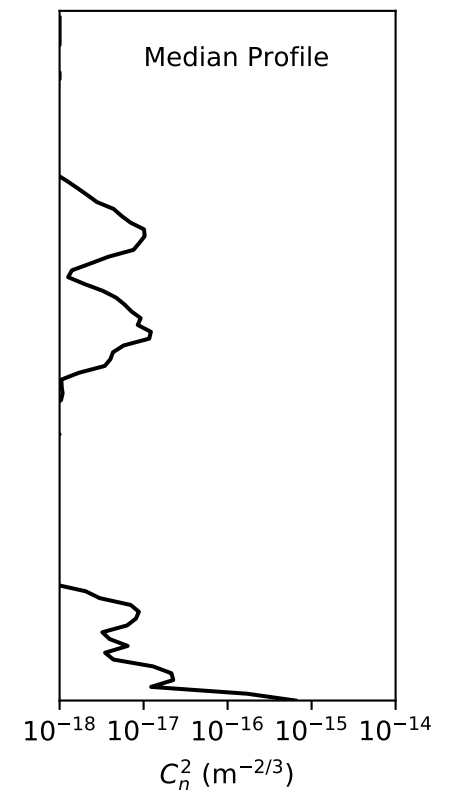
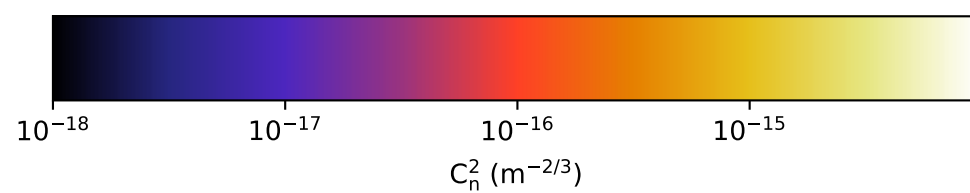
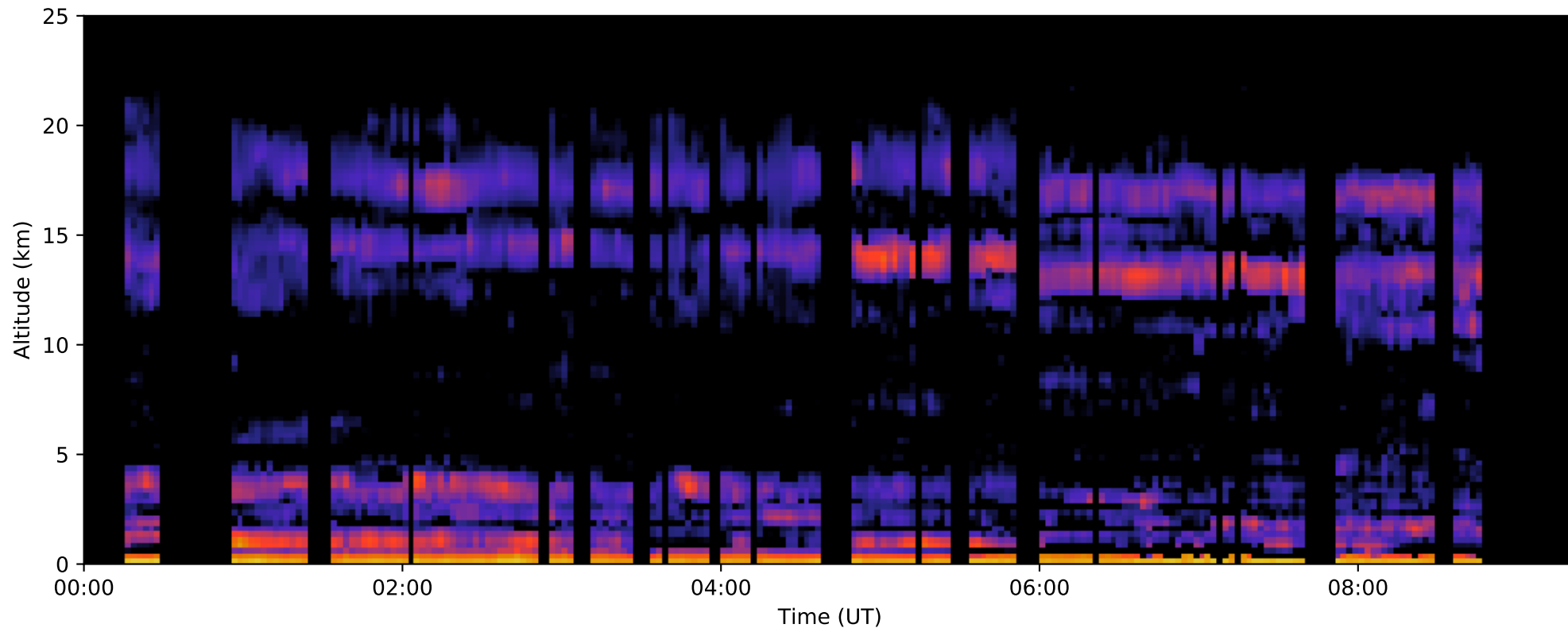


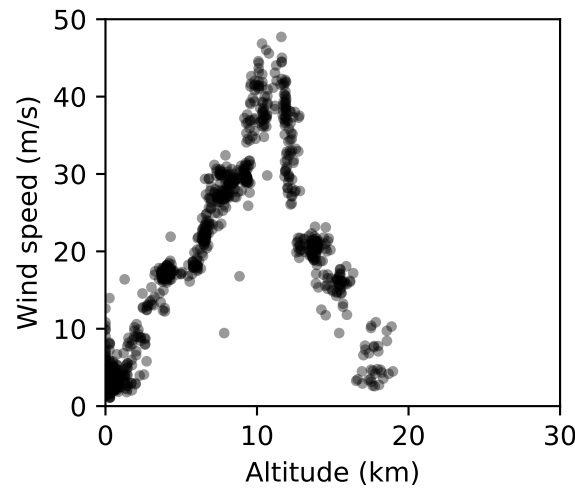
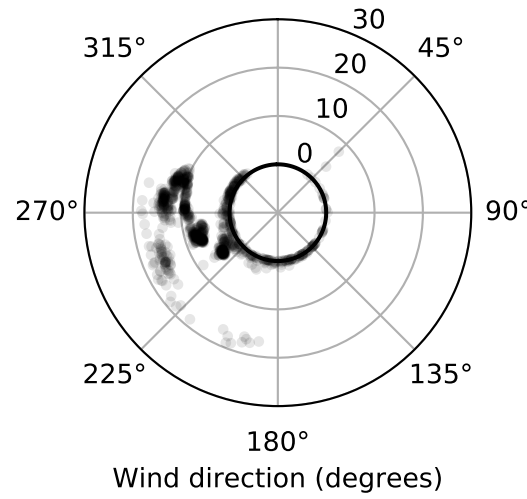
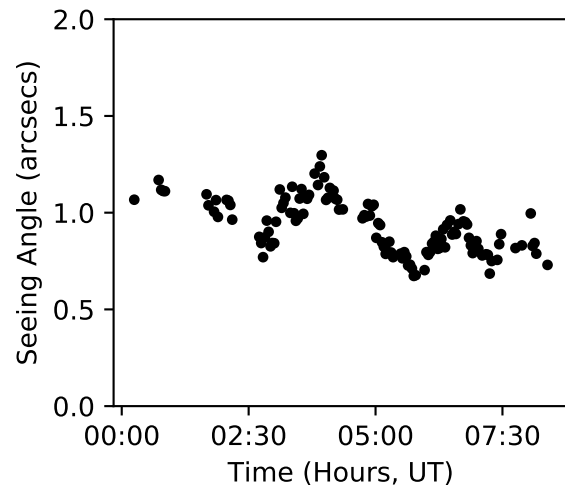
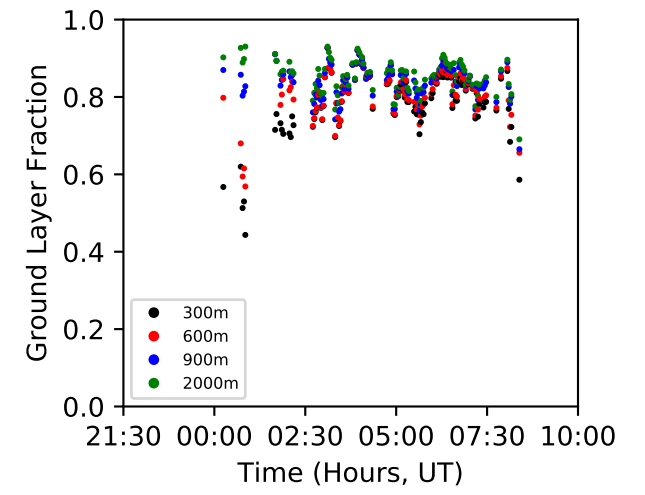
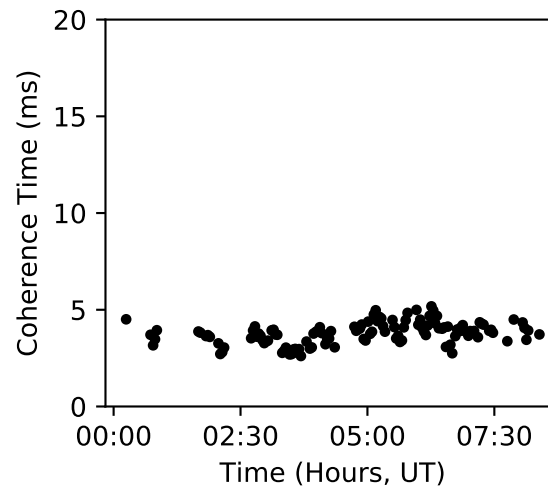
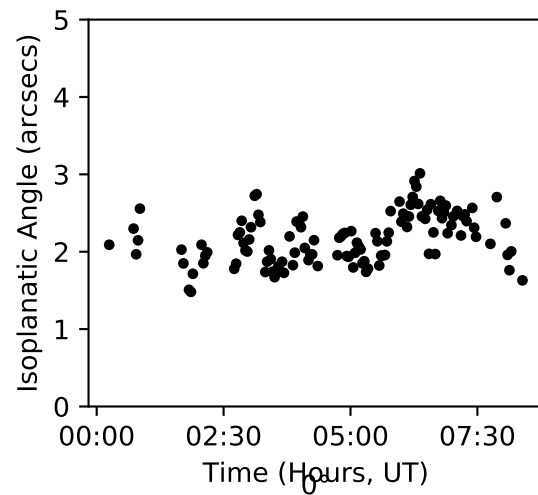
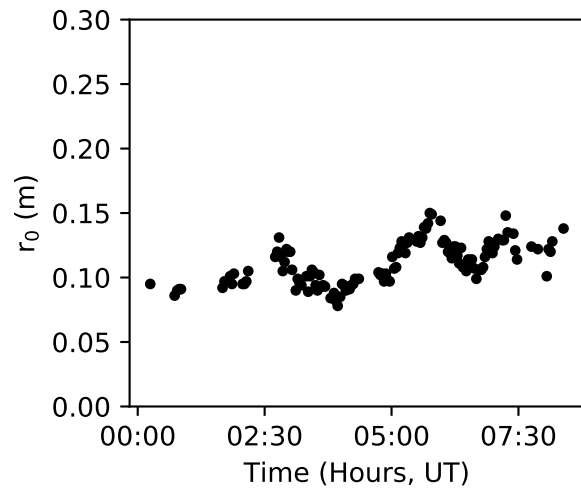
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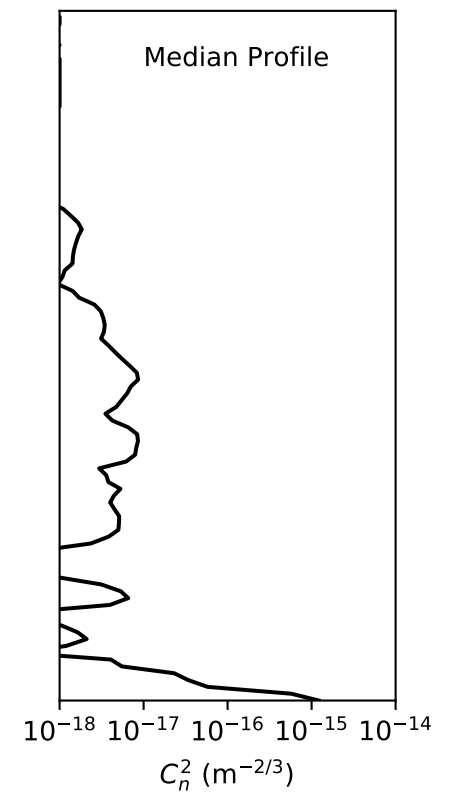
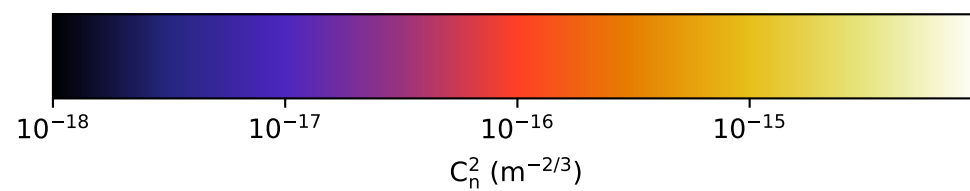
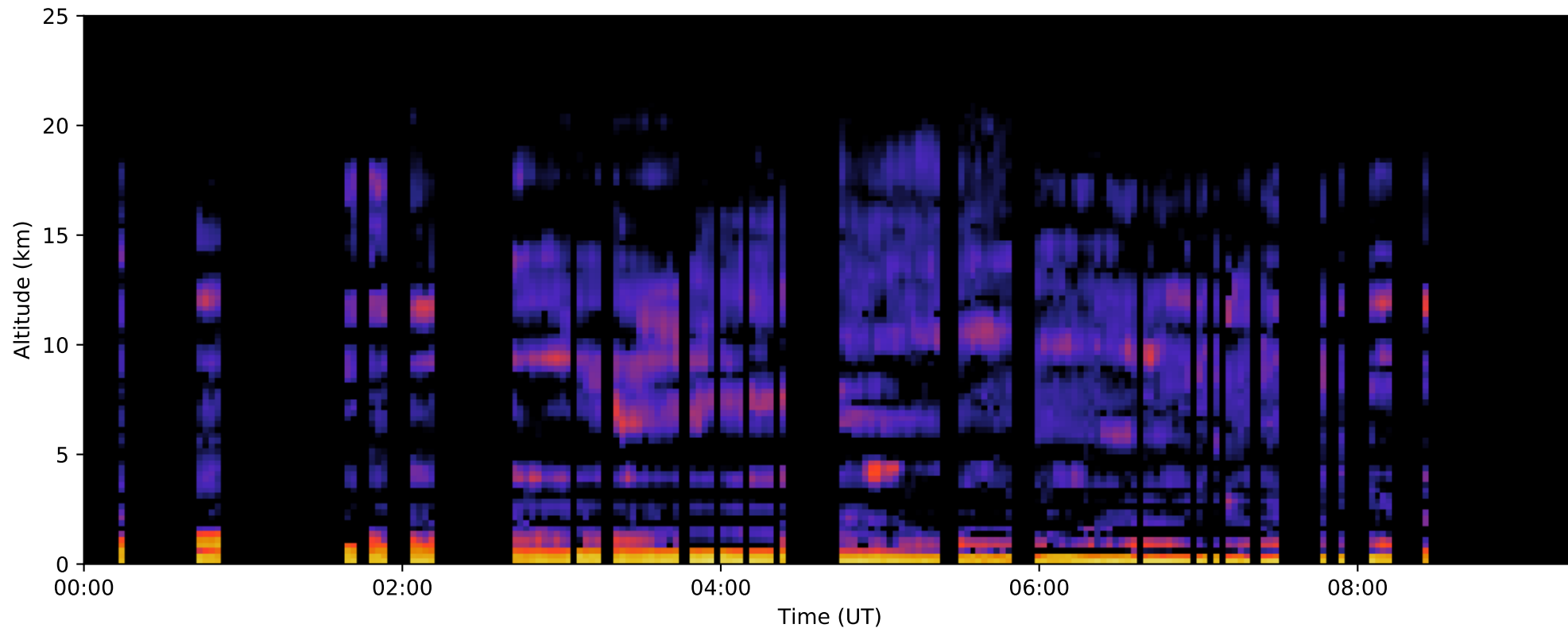


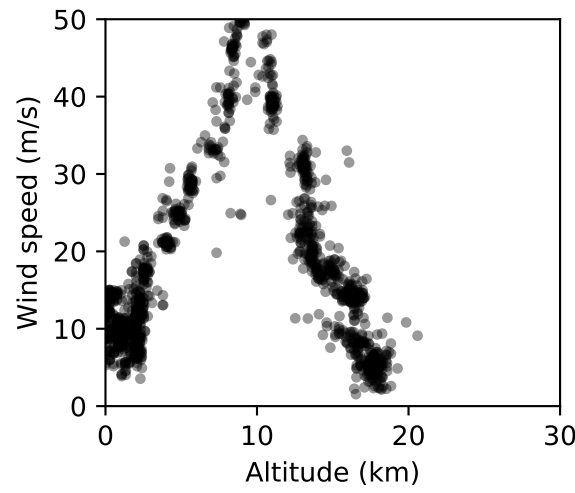
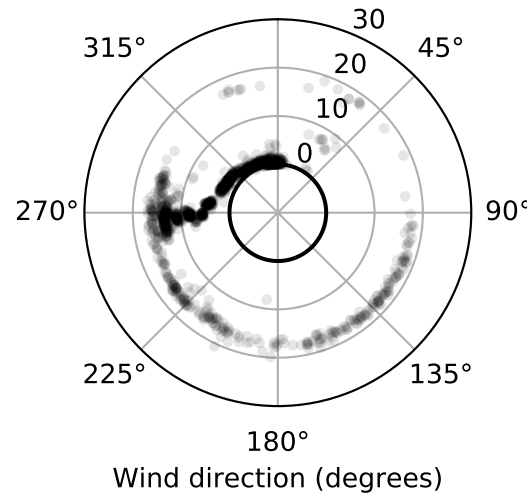
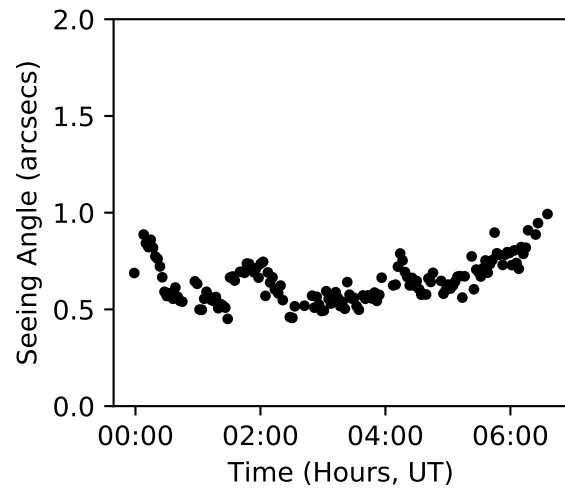
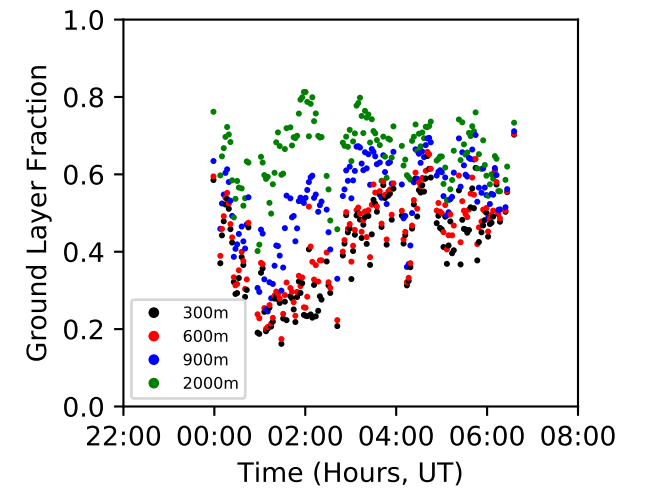
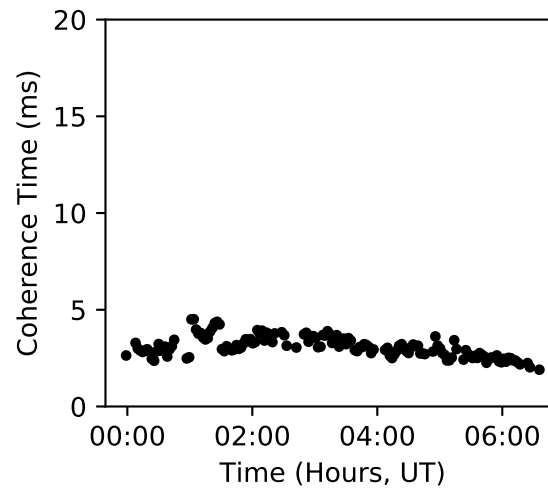
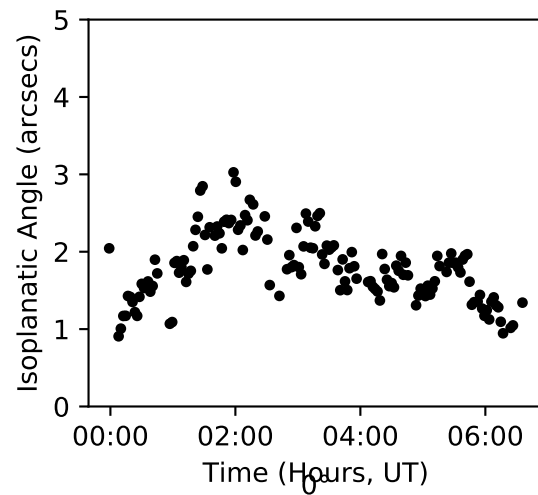
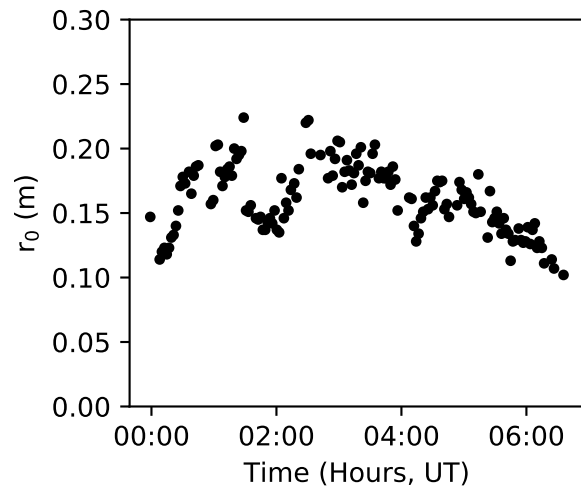
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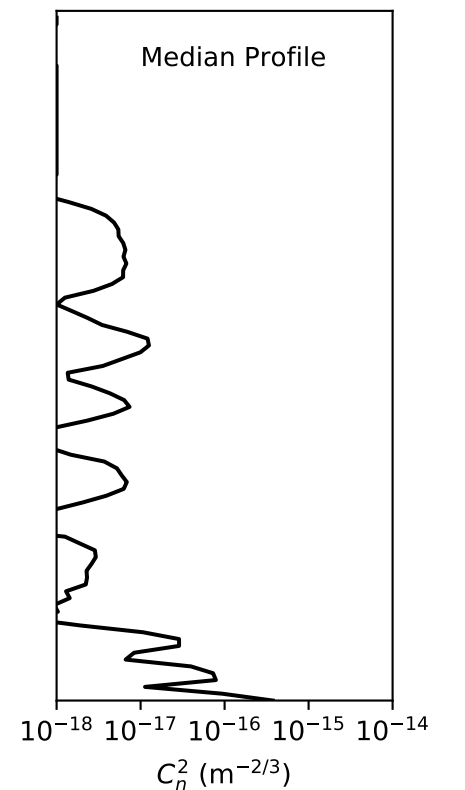
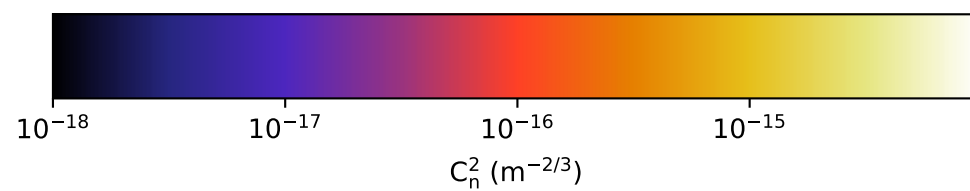
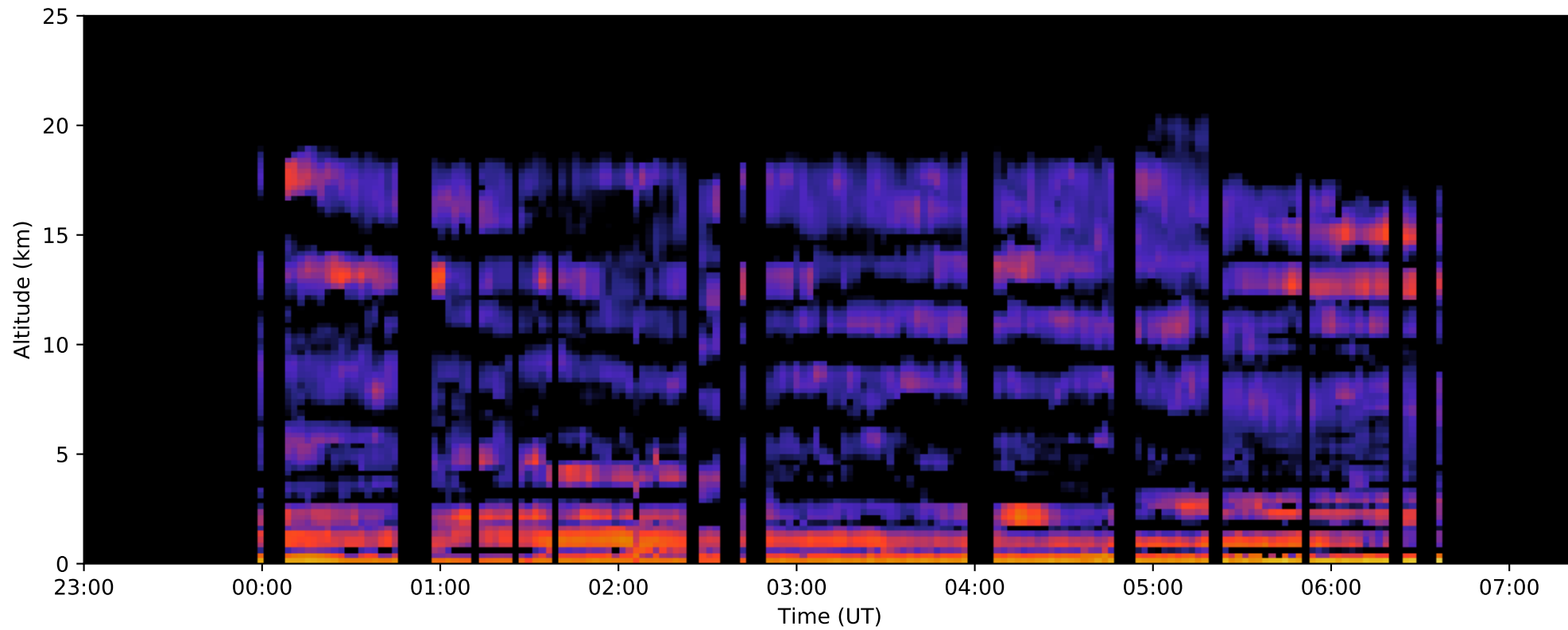


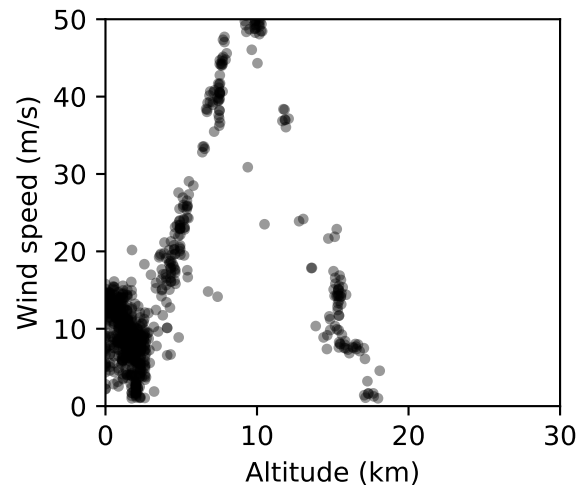
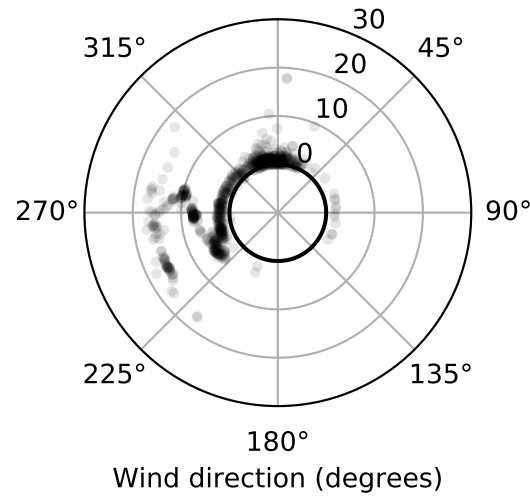
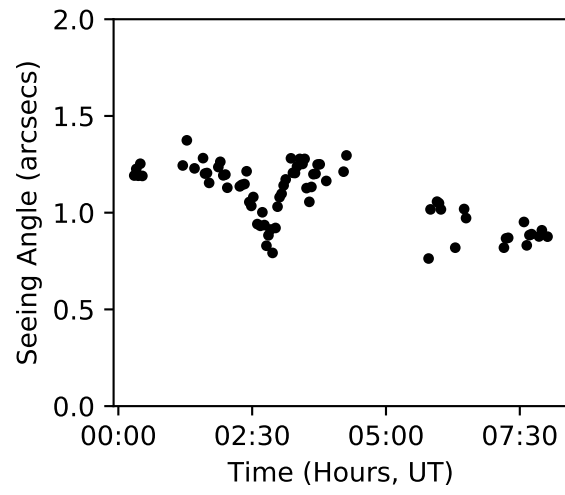
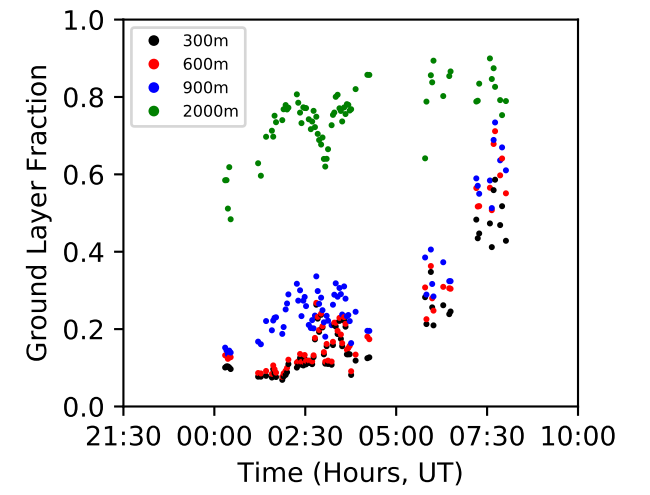
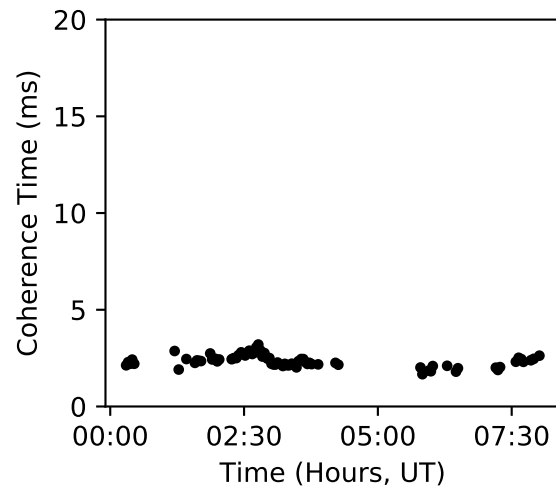
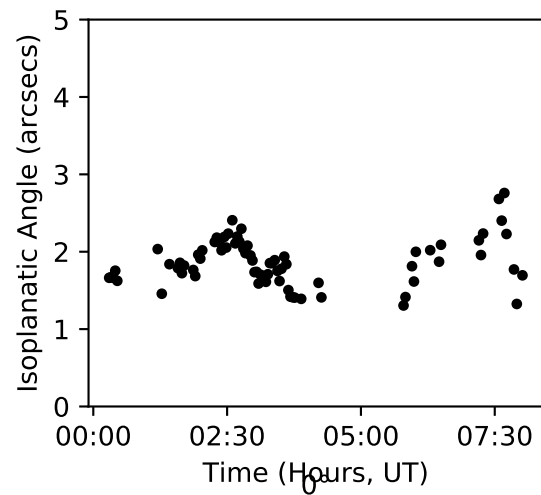
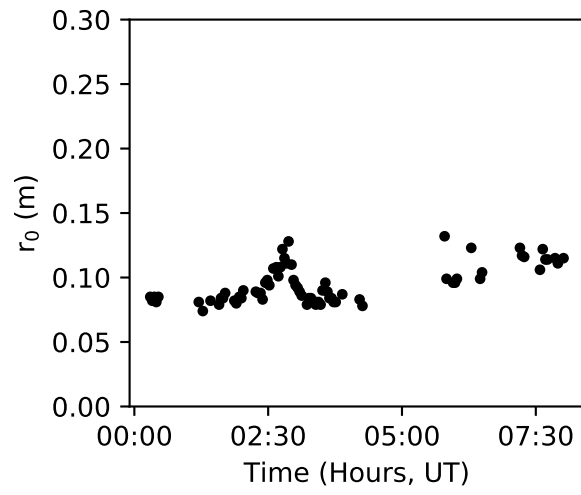
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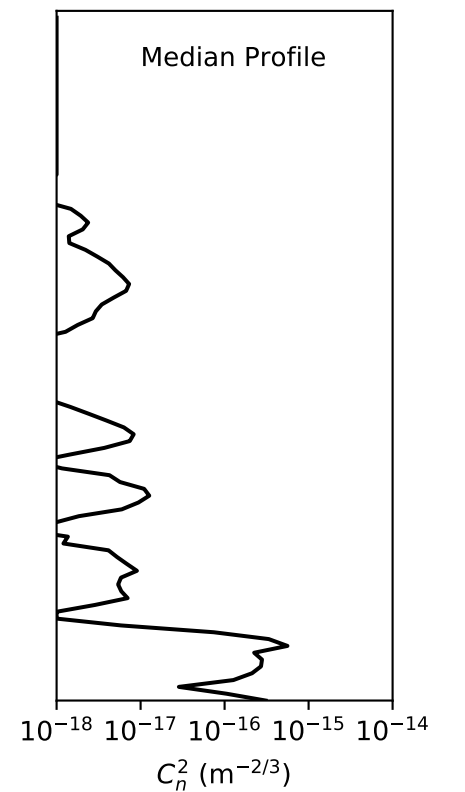
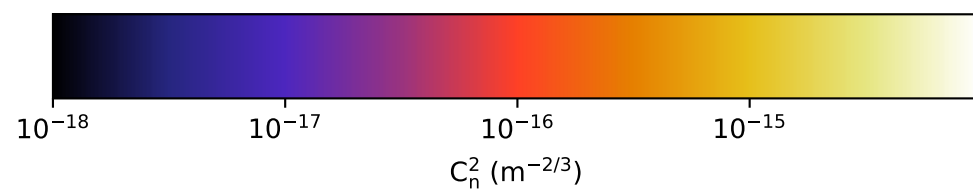
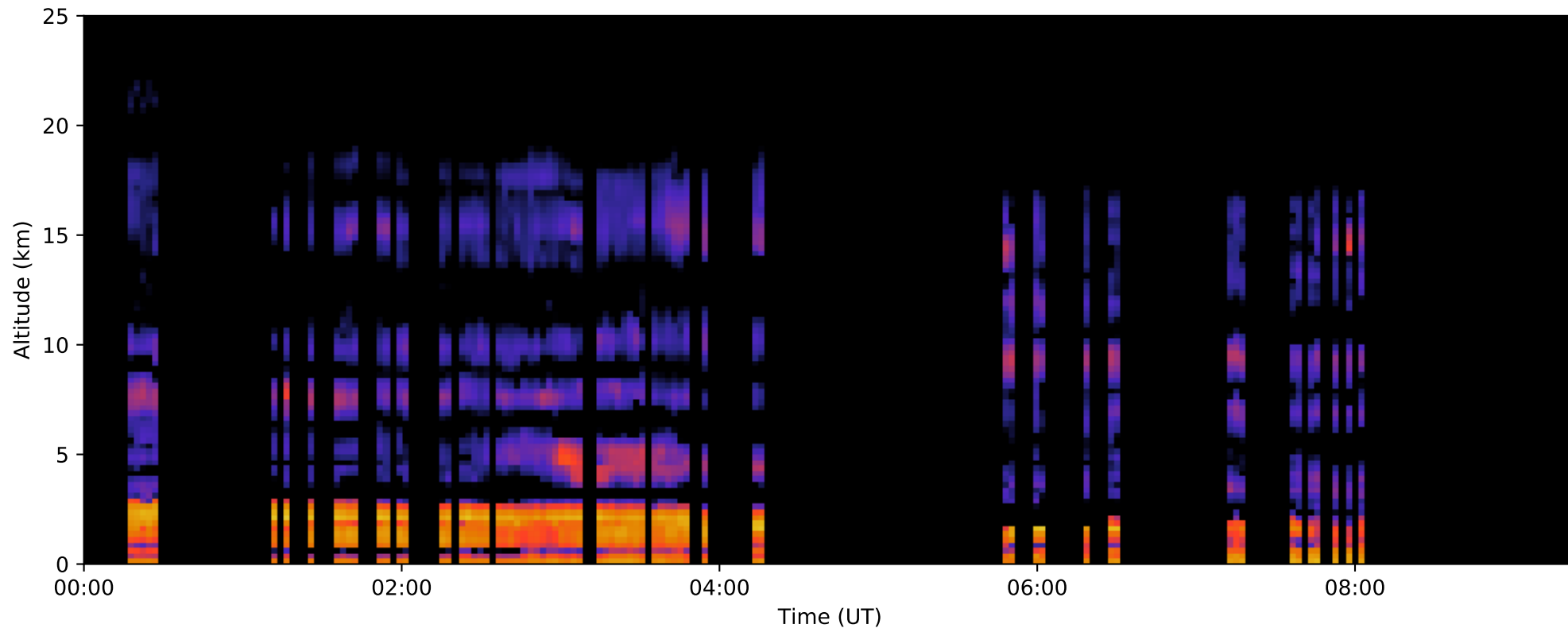


### 2017/11/18

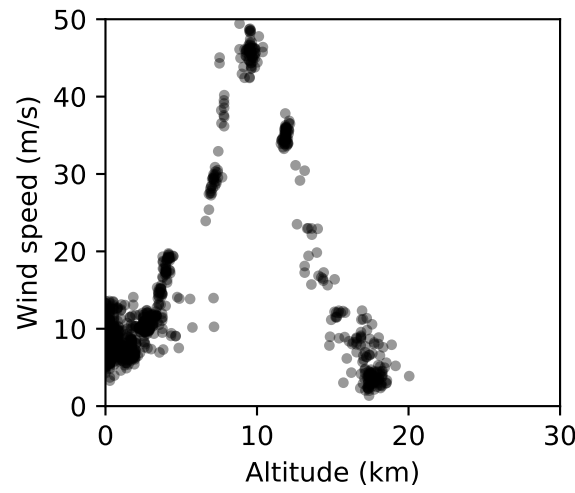
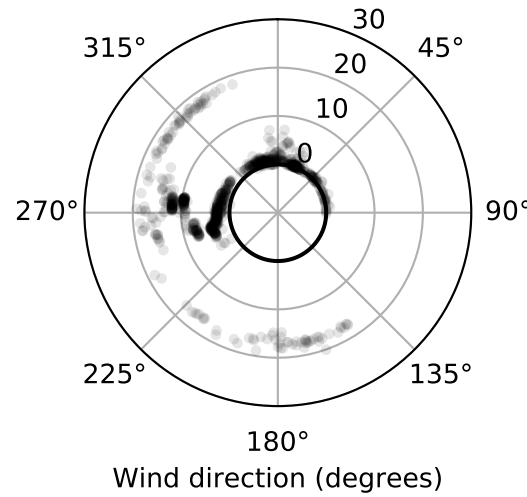
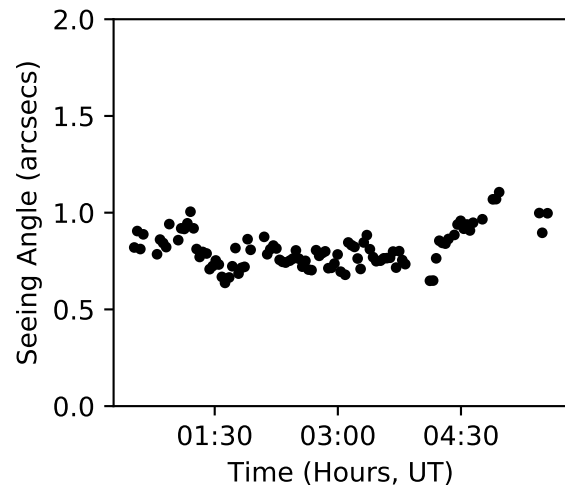
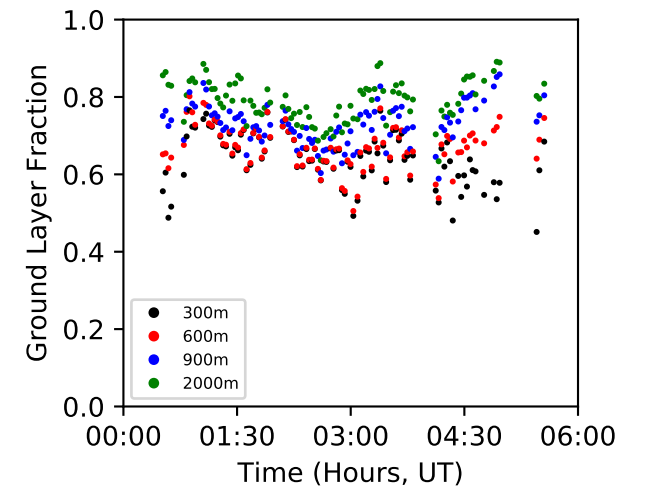
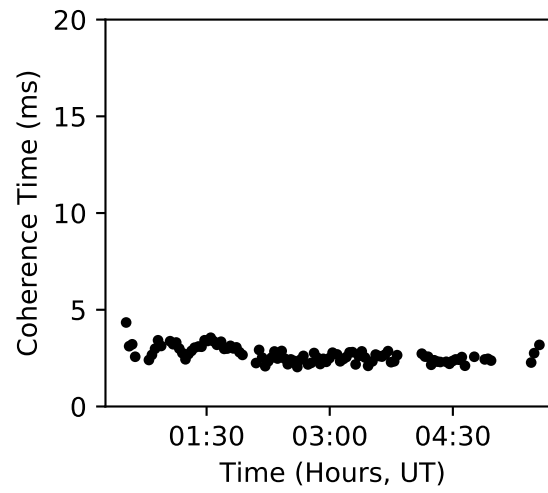
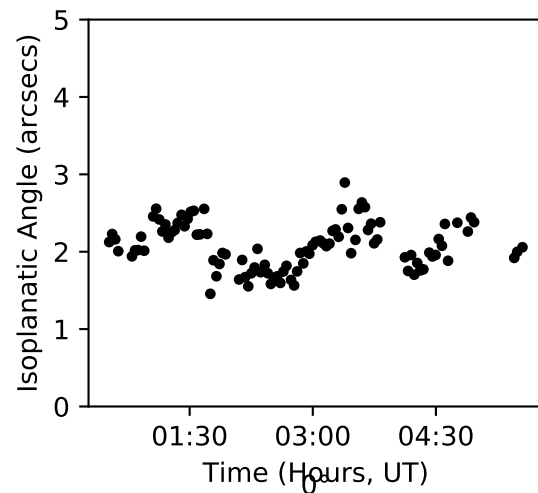
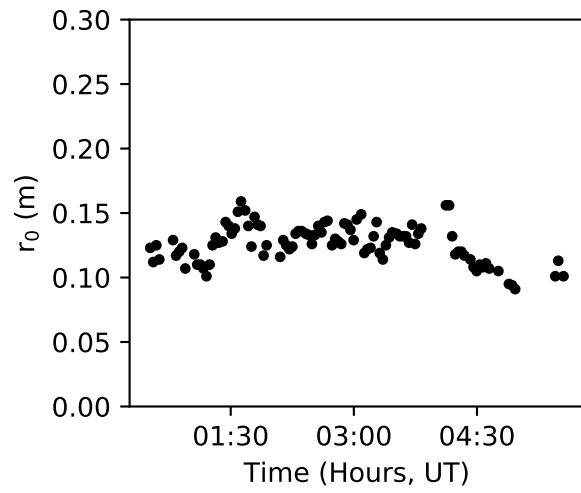




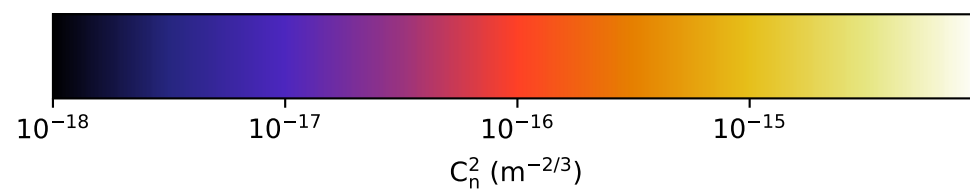
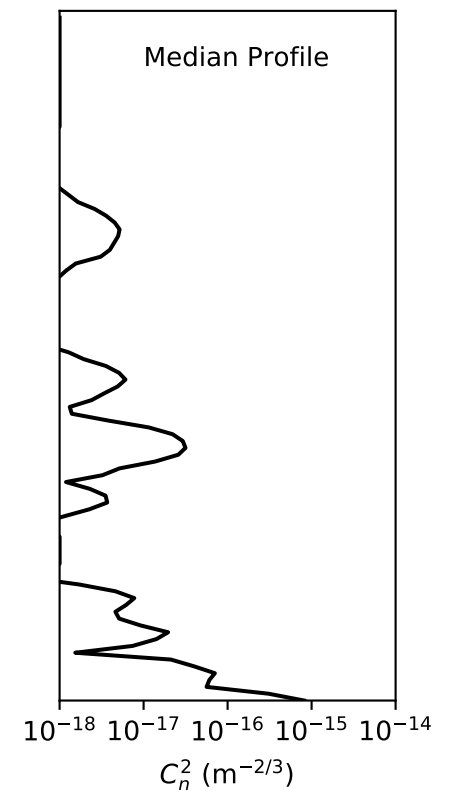
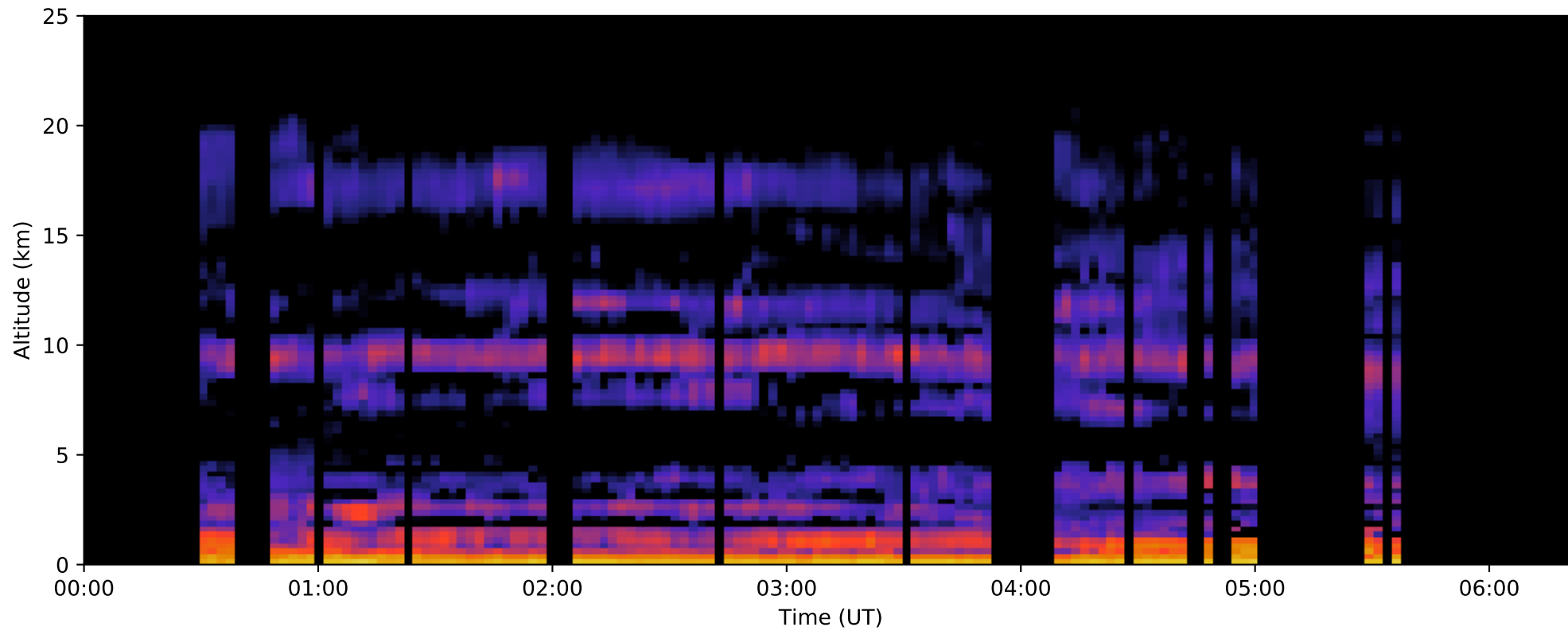
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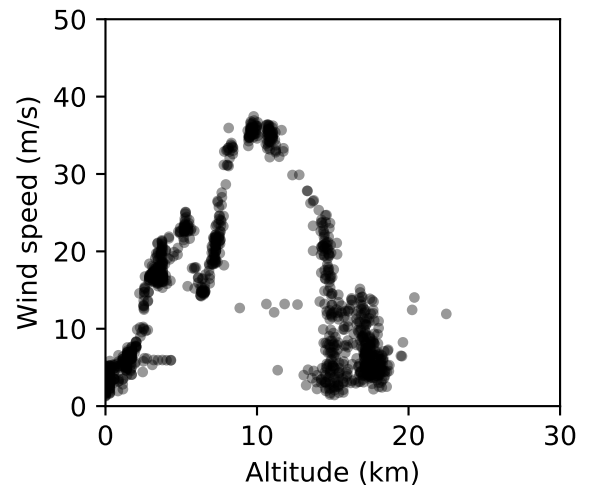
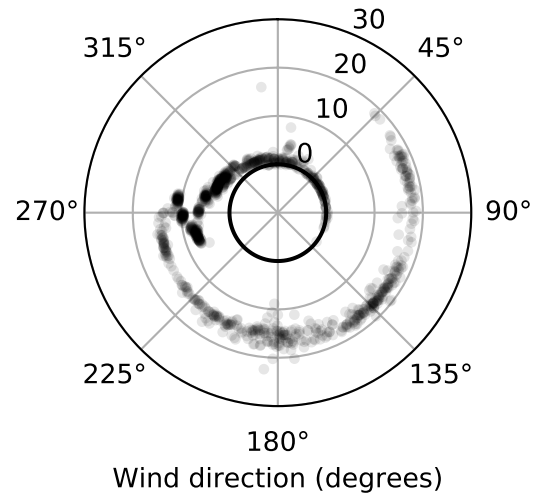
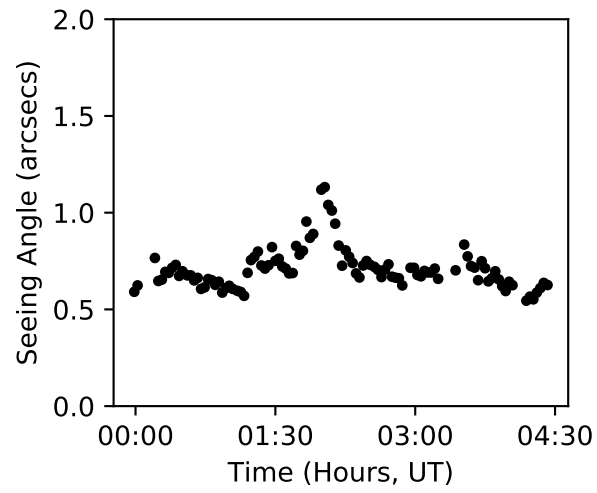
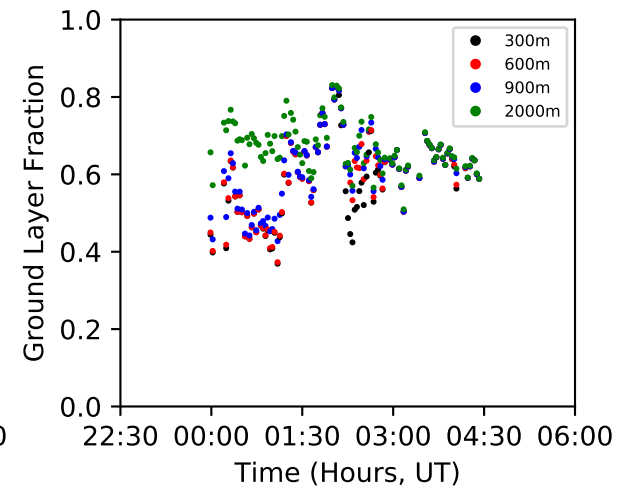
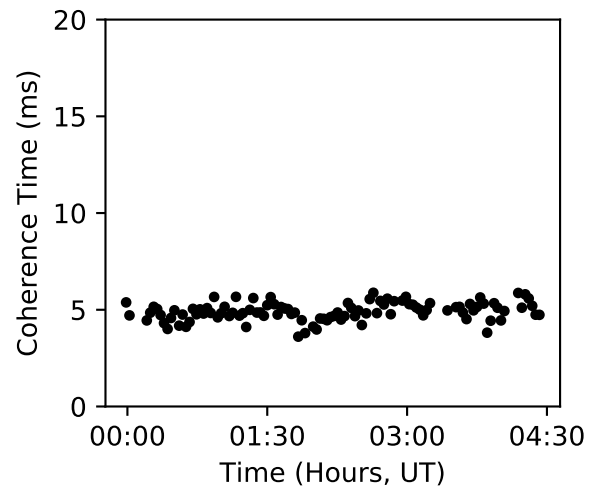
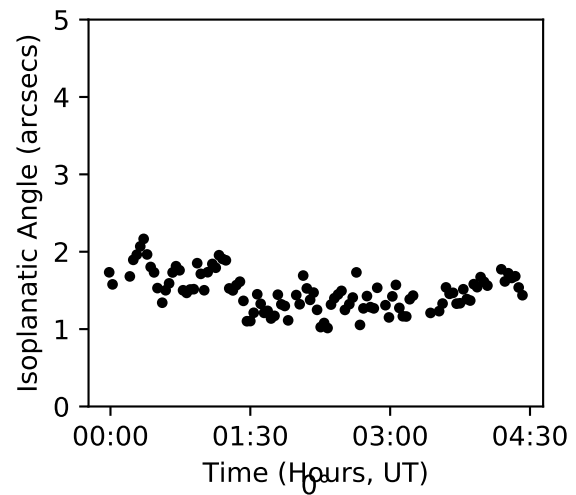
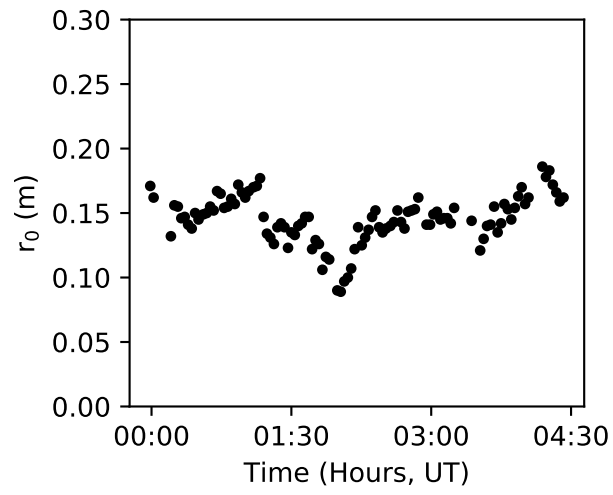




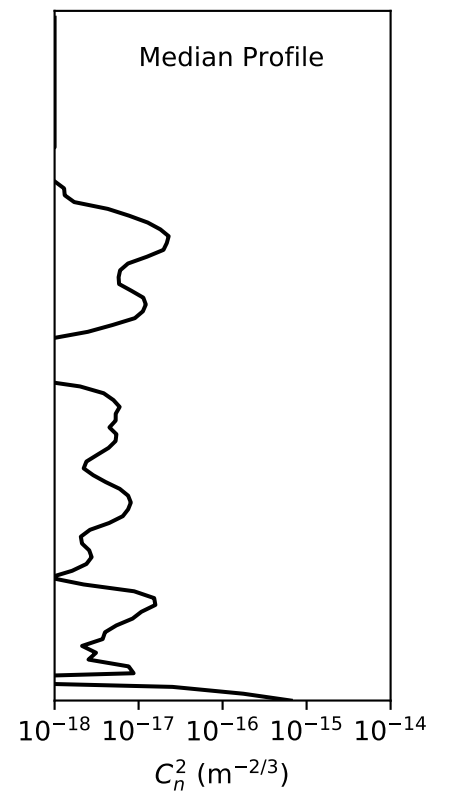
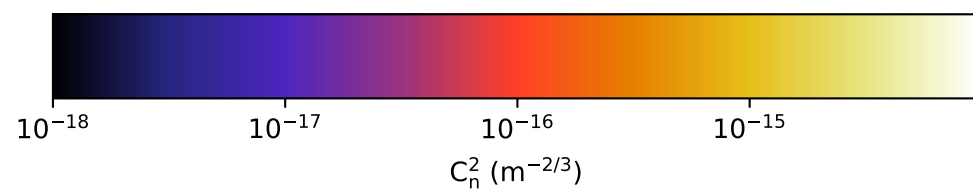
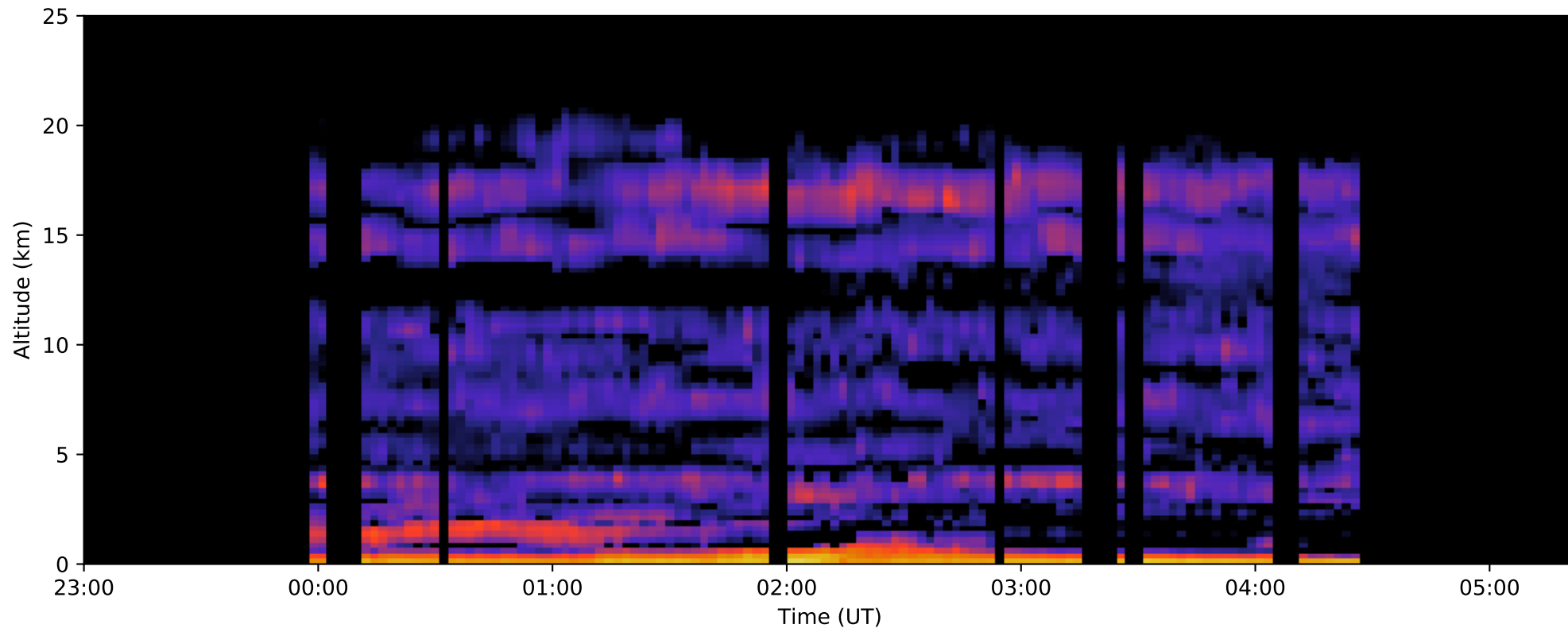


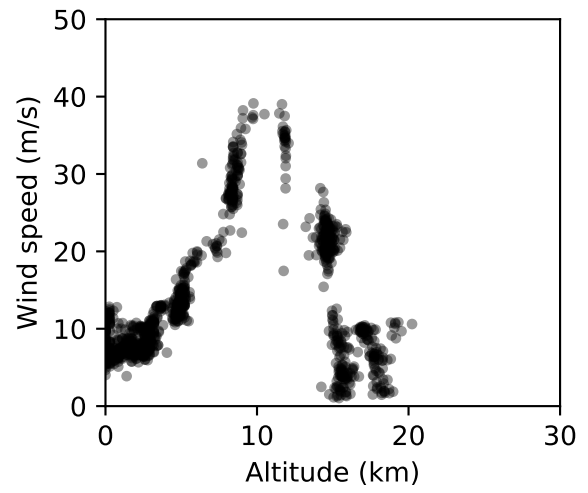
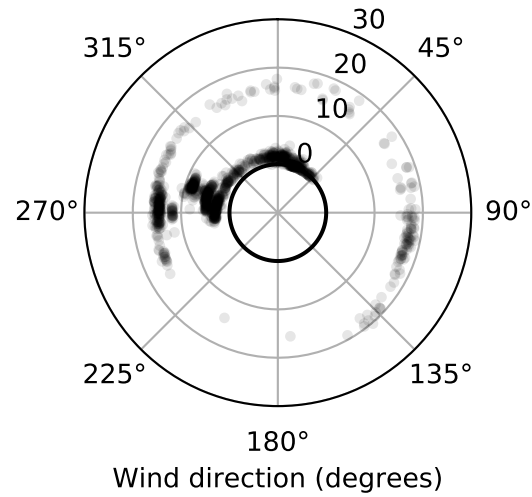
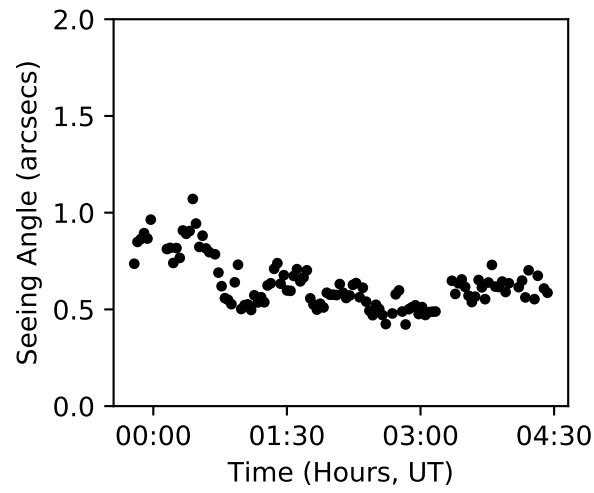
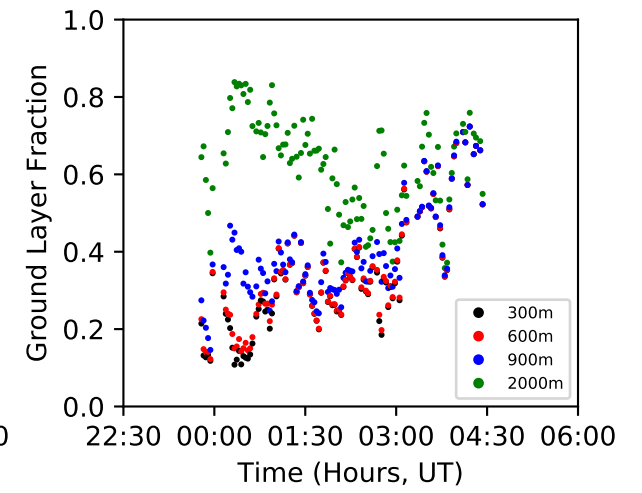
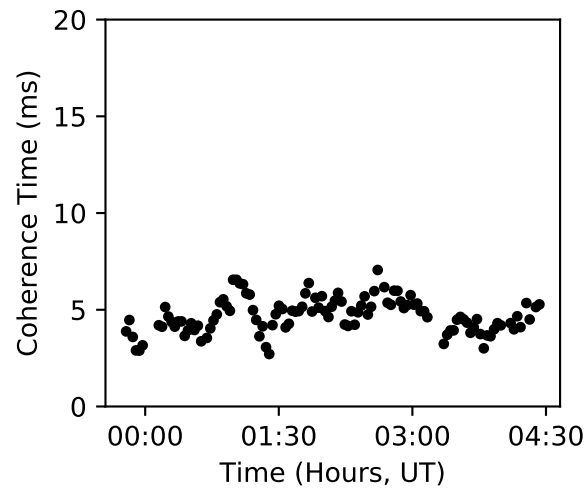
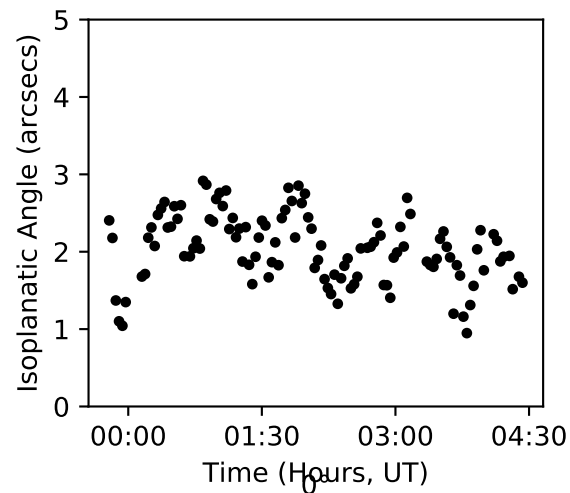
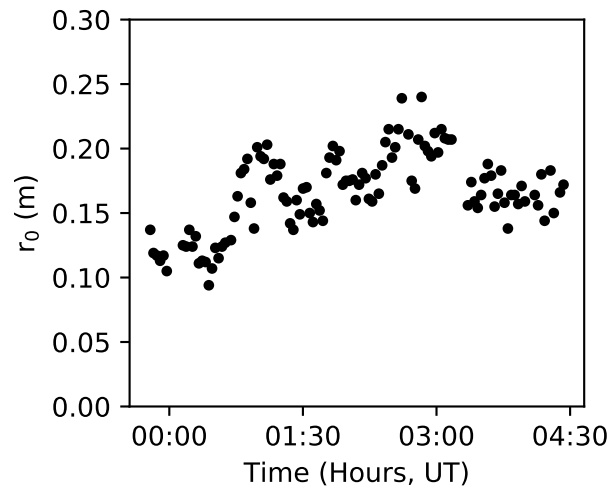
### 2017/11/20



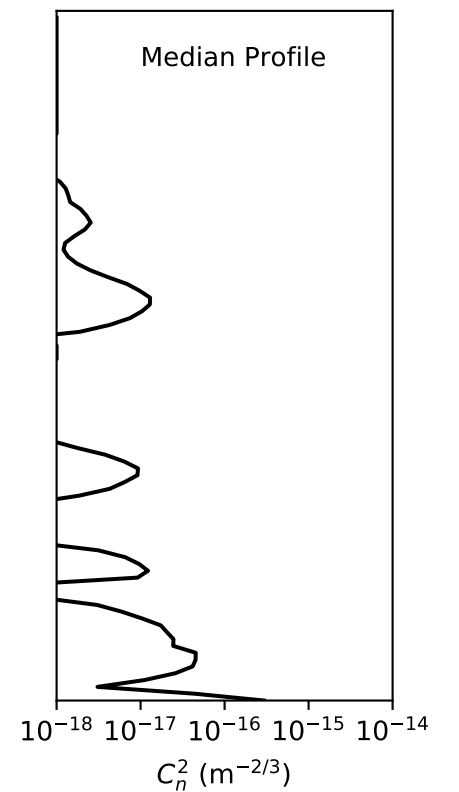
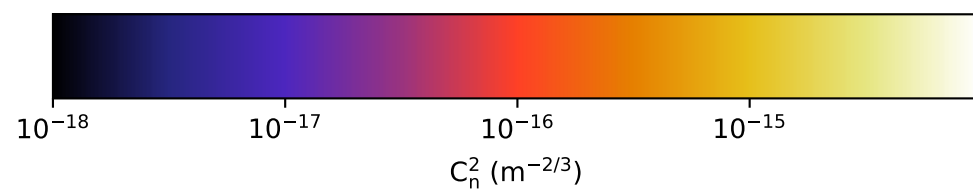
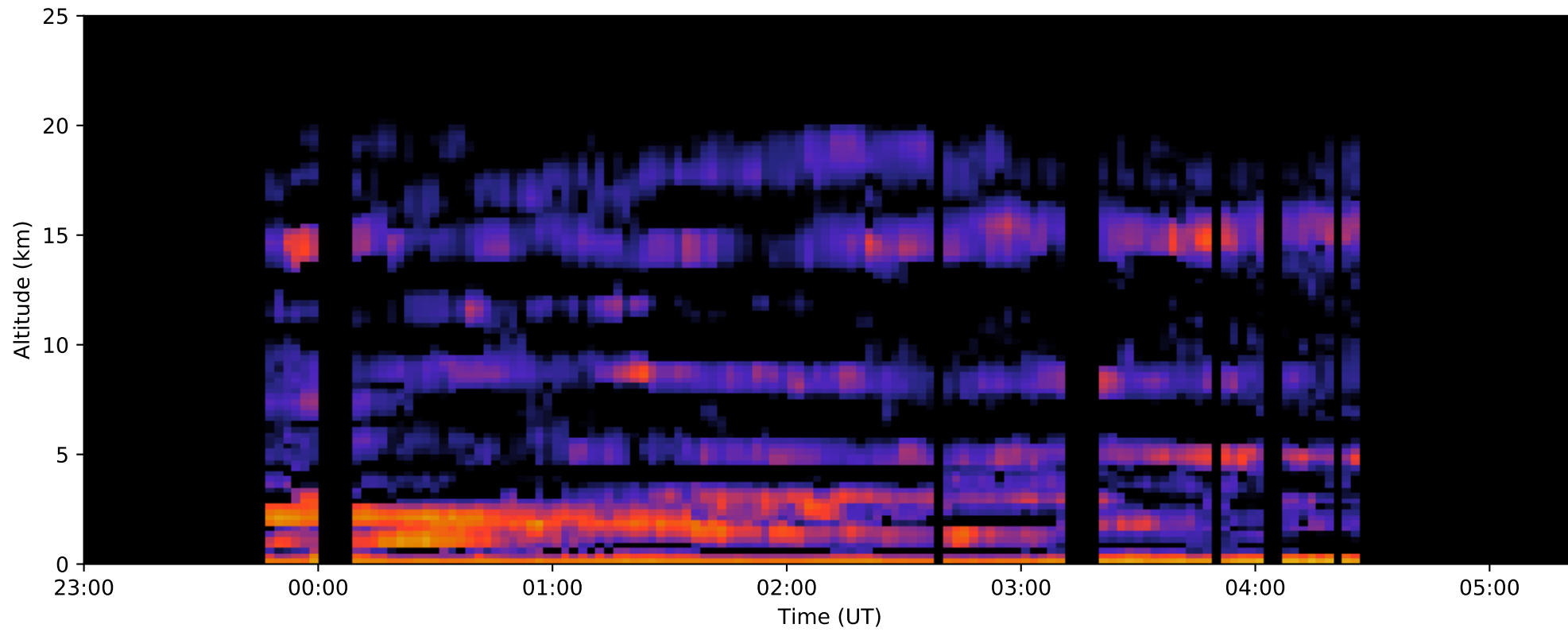


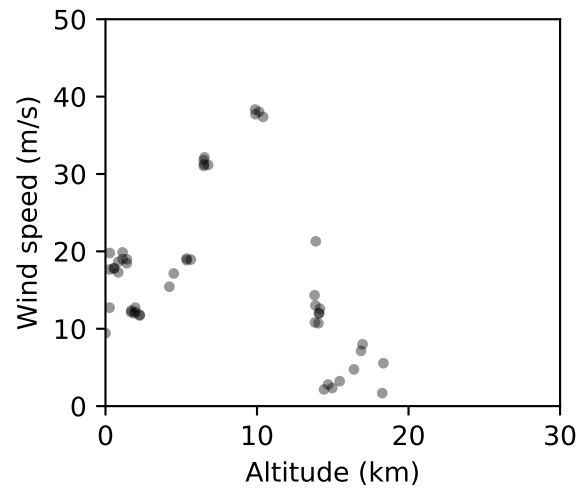
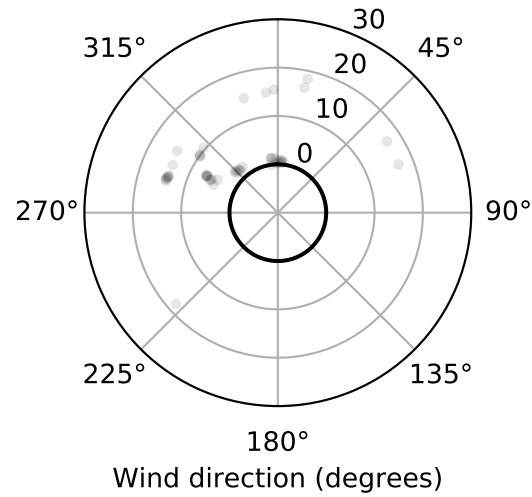
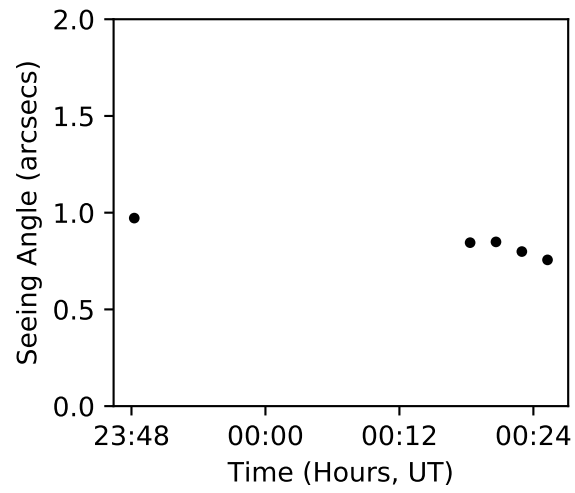
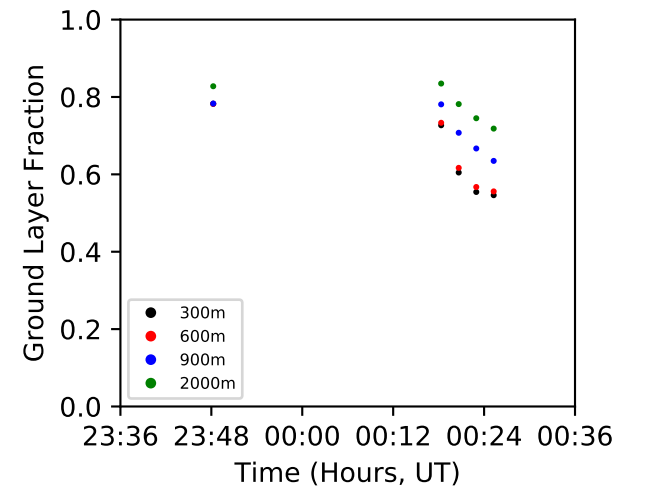
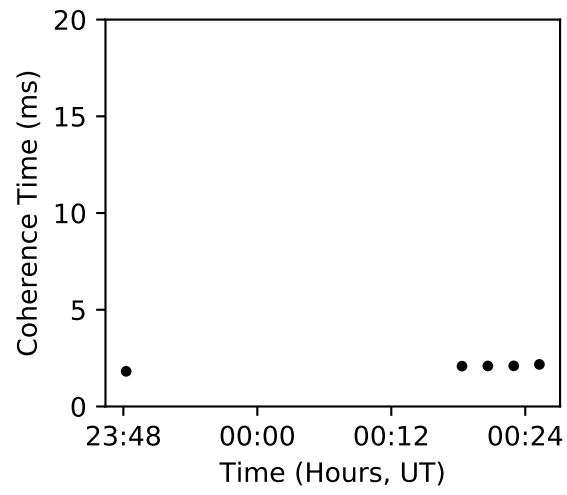
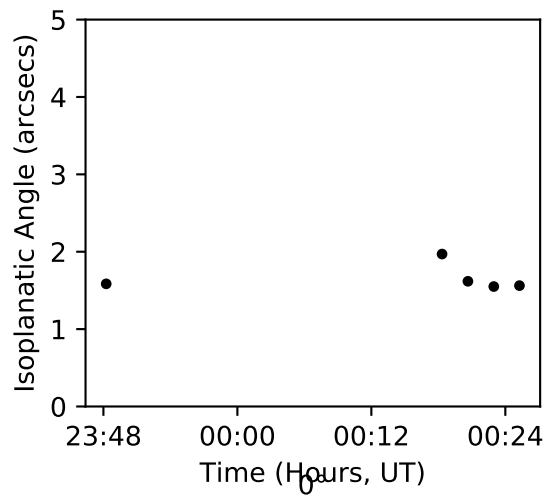
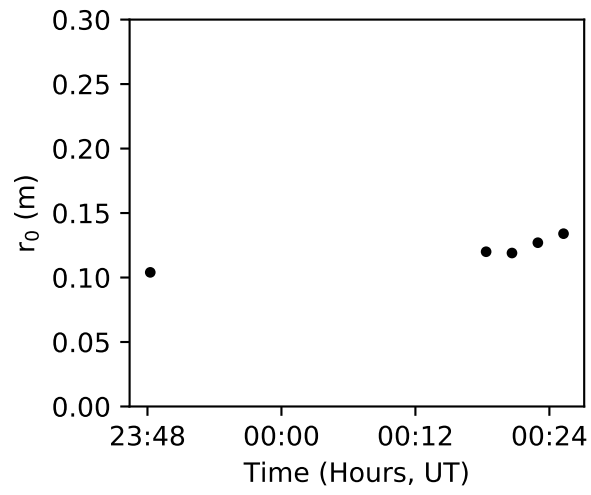
### 2017/11/29



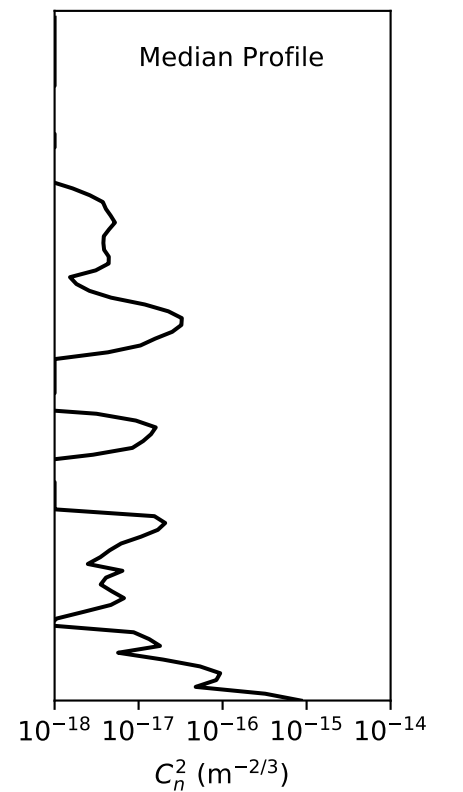
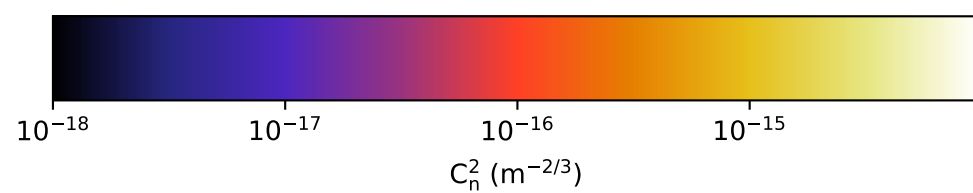
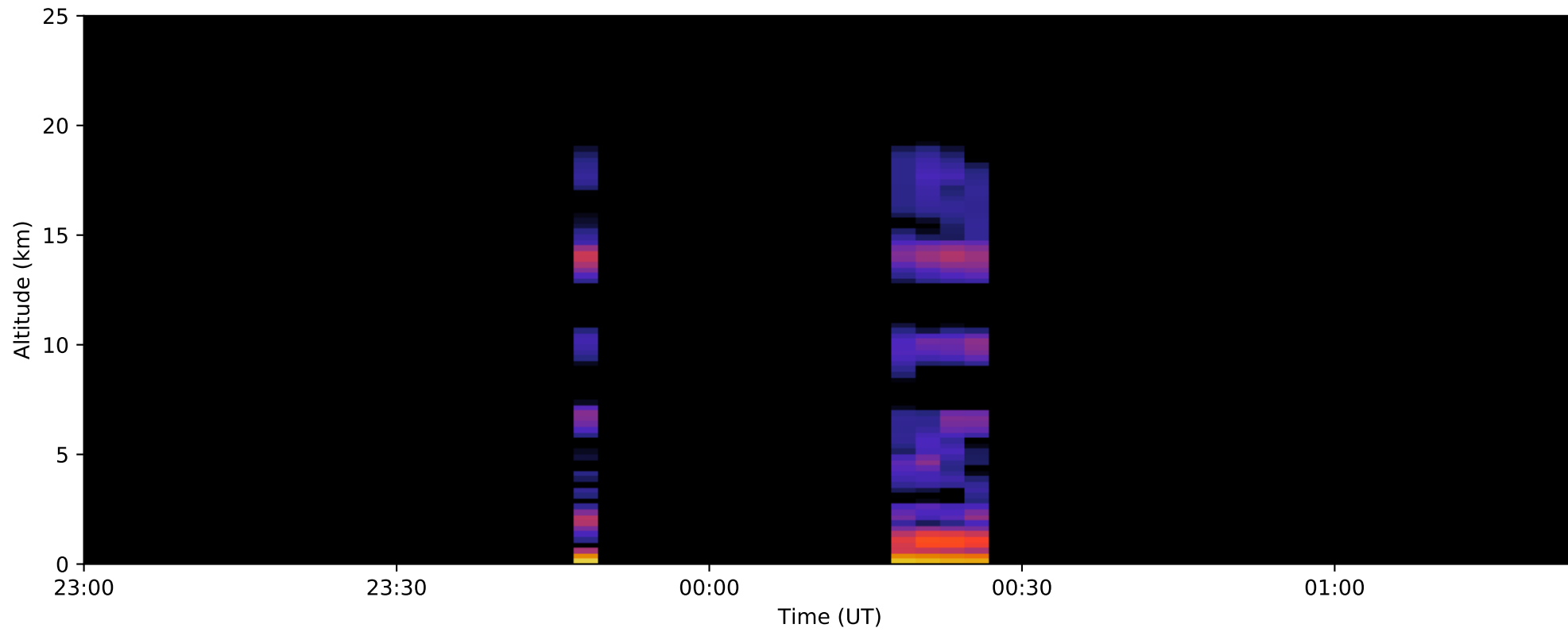


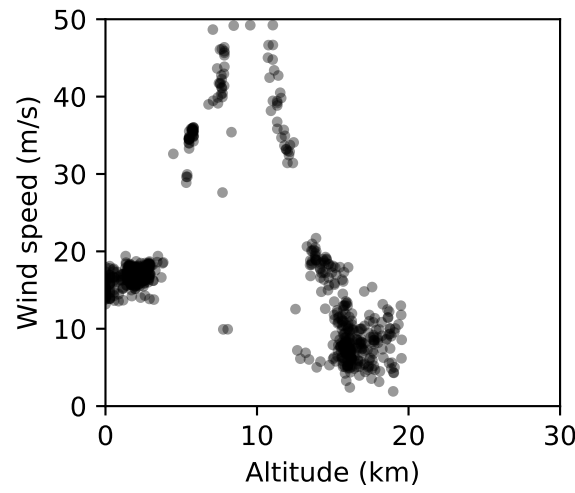
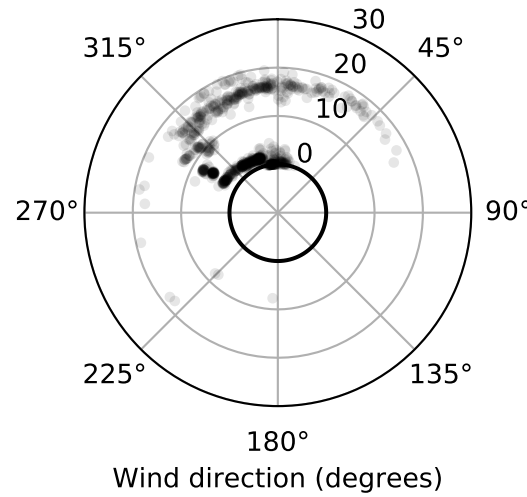
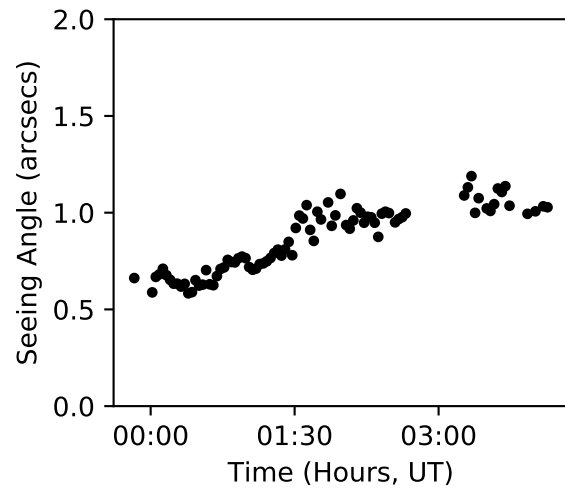
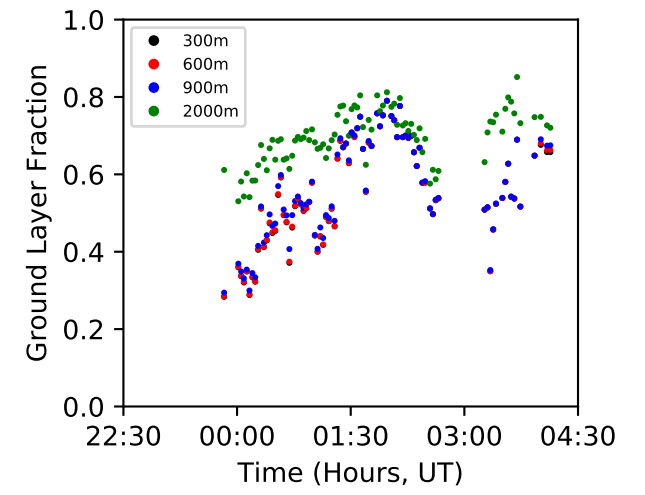
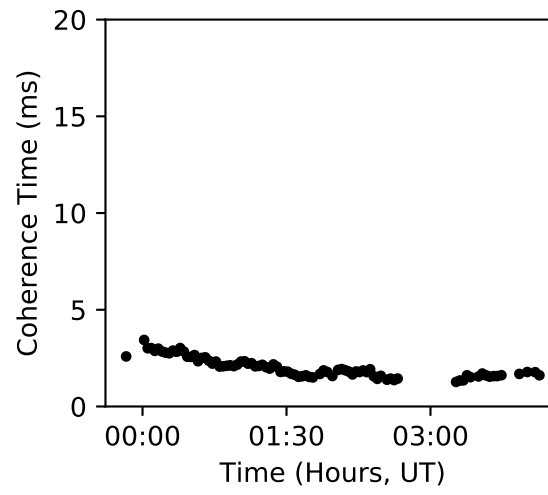
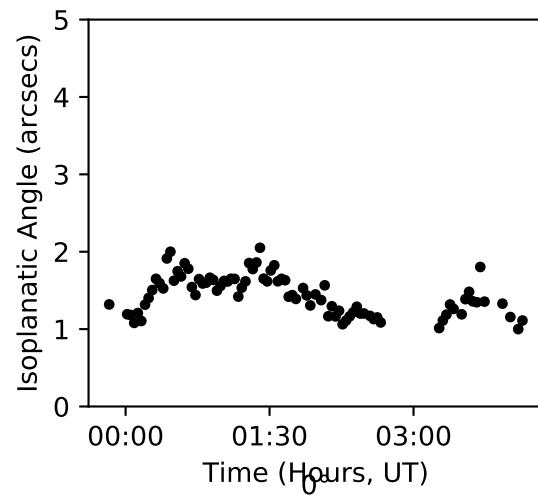
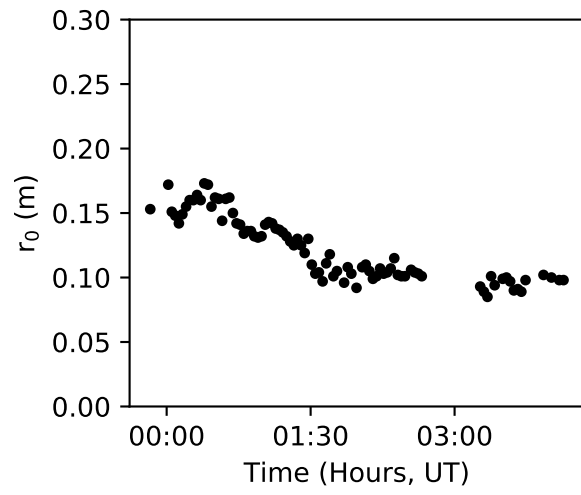
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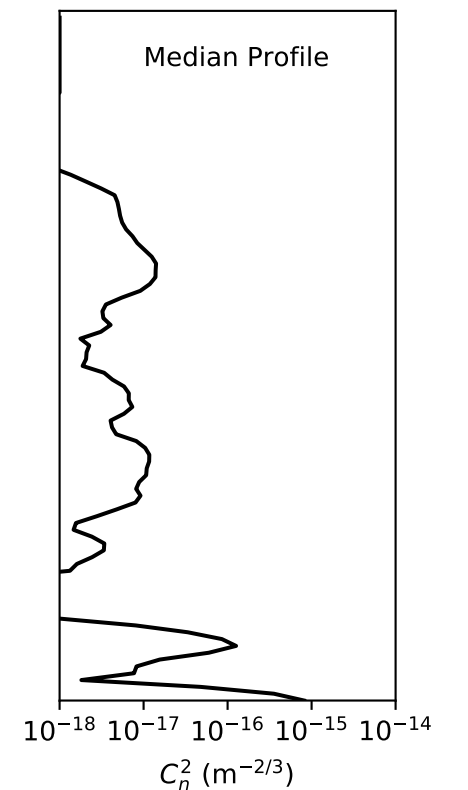
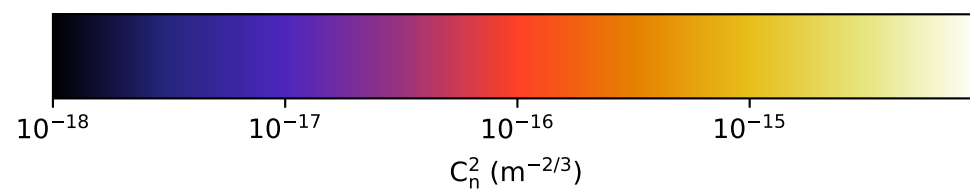
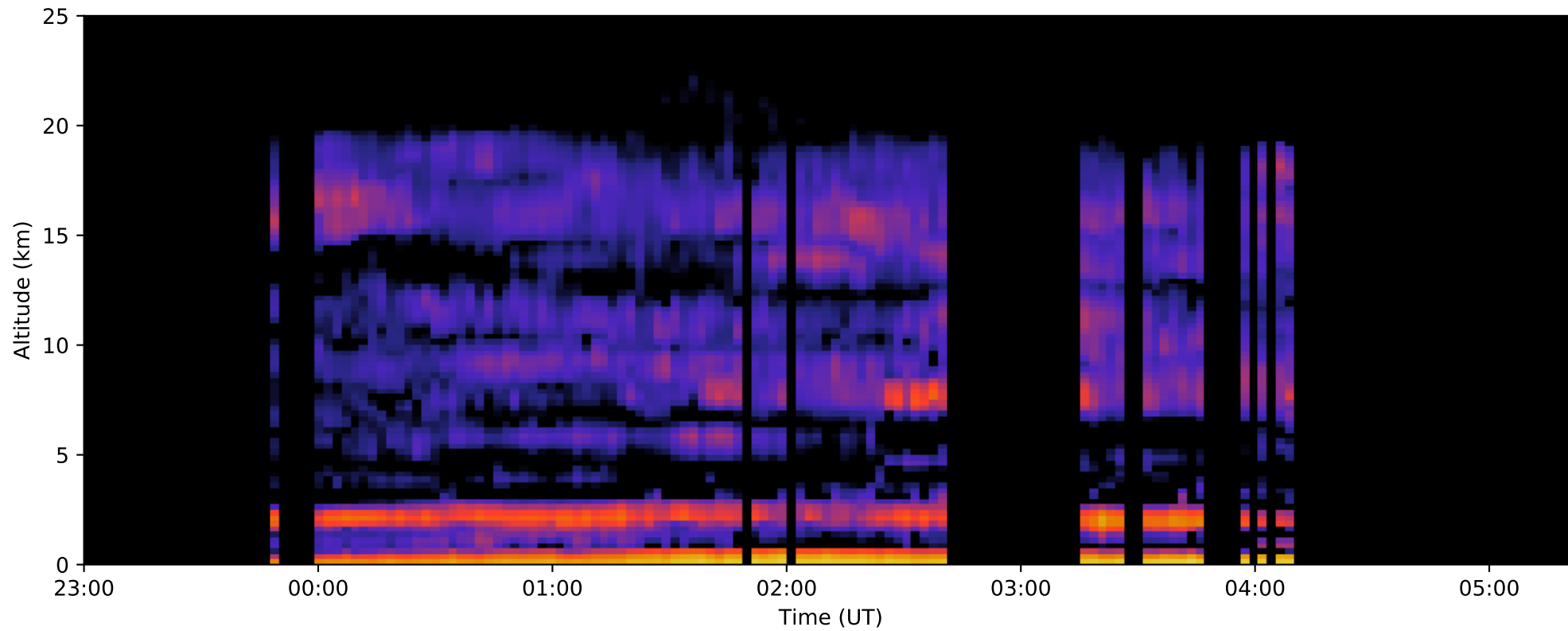


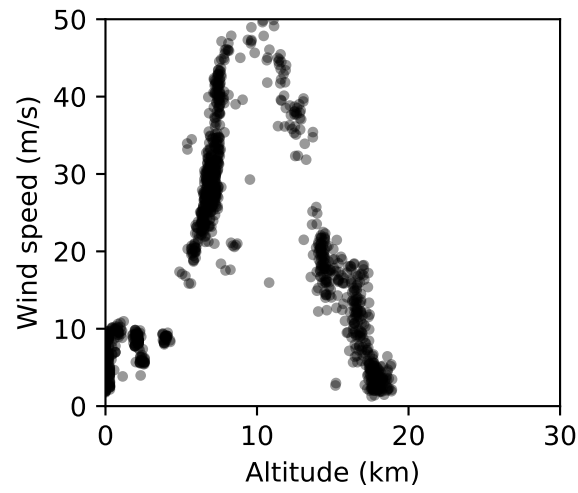
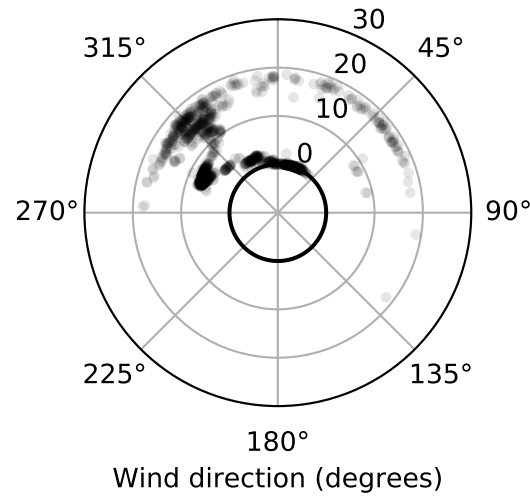
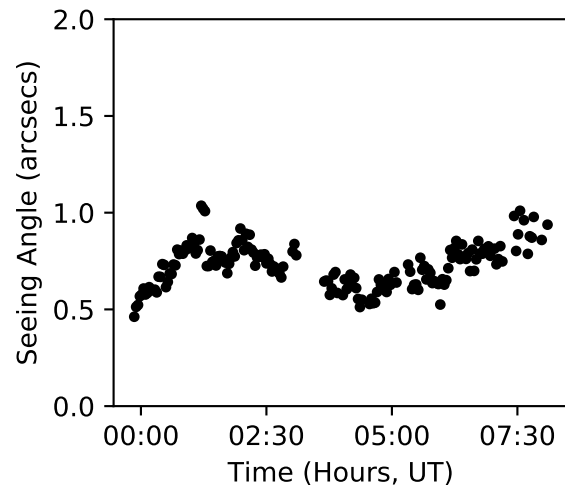
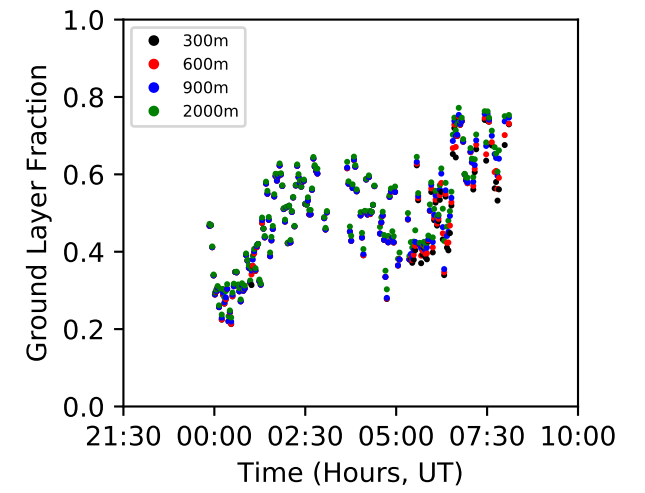
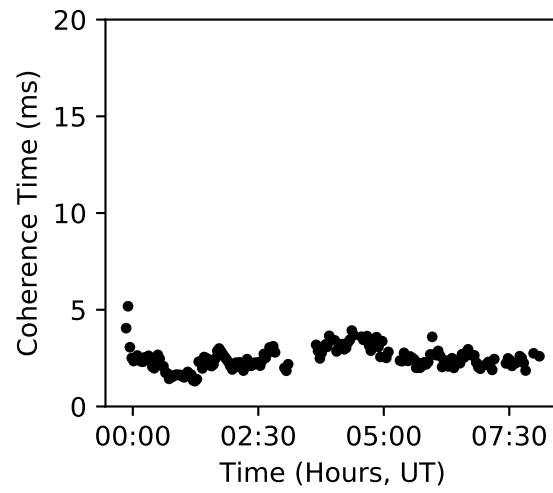
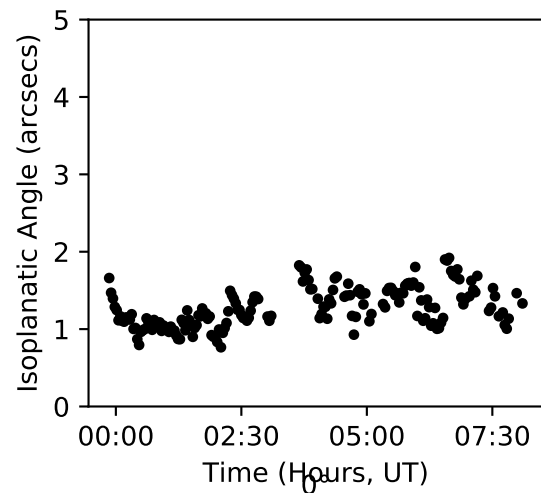
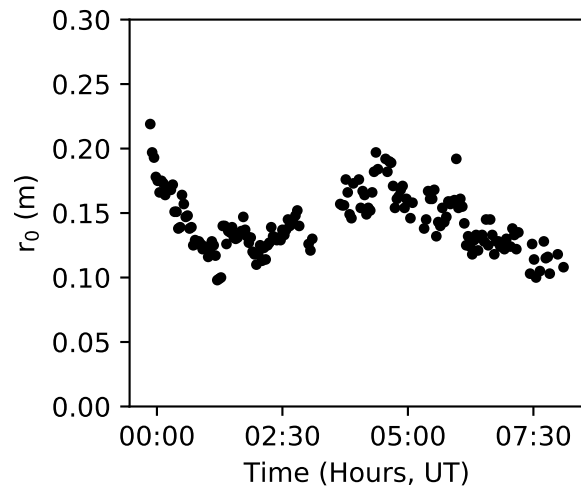
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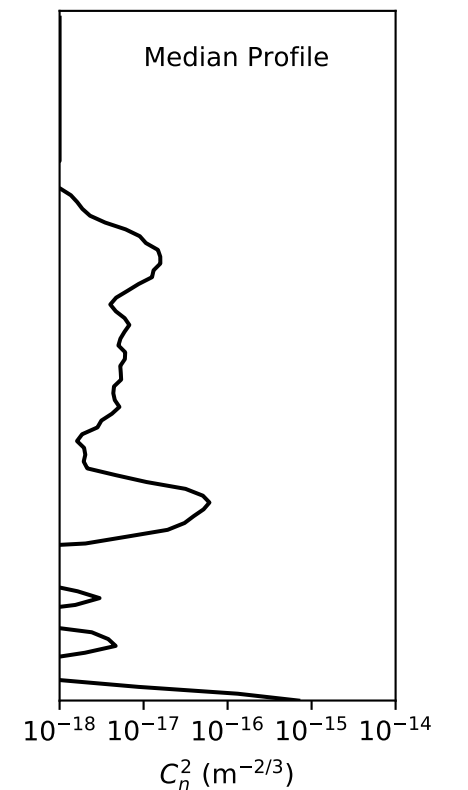
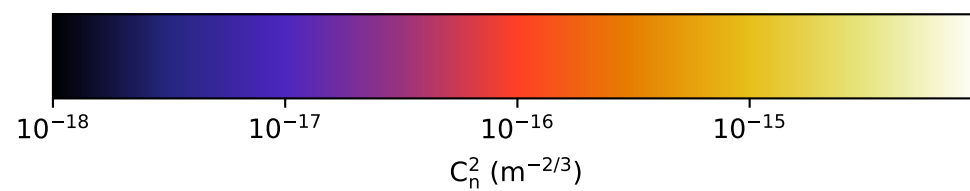
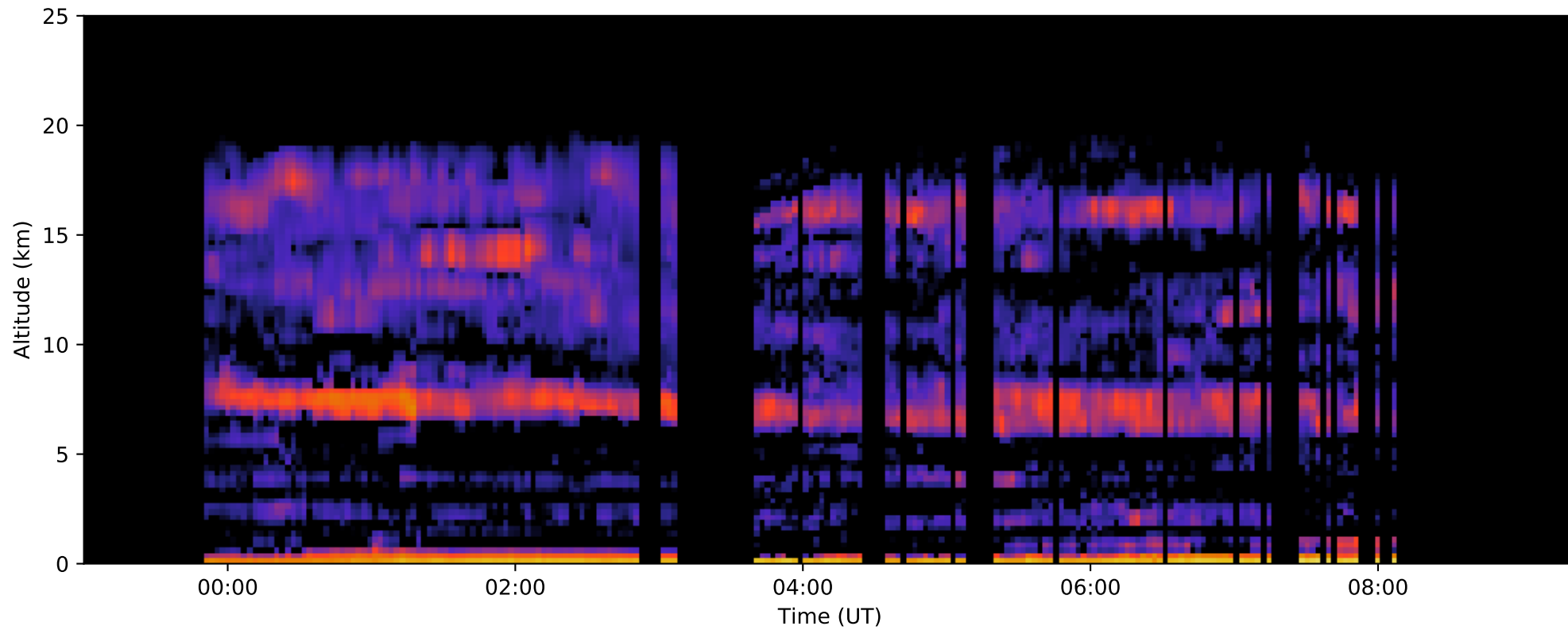


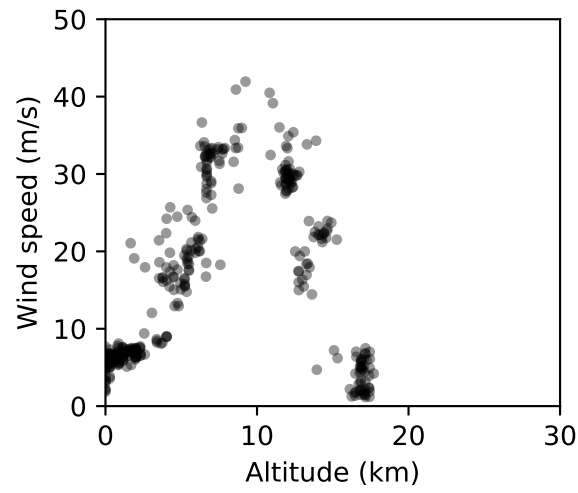
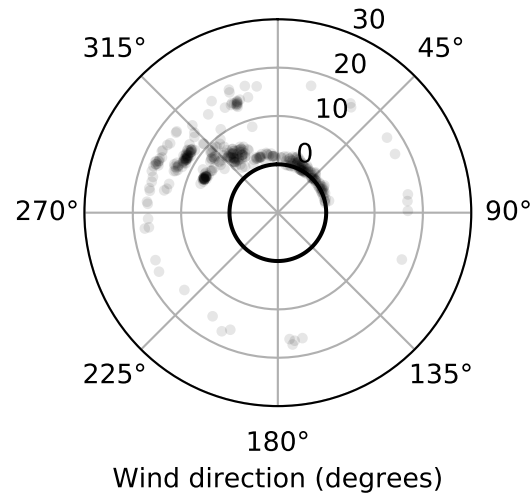
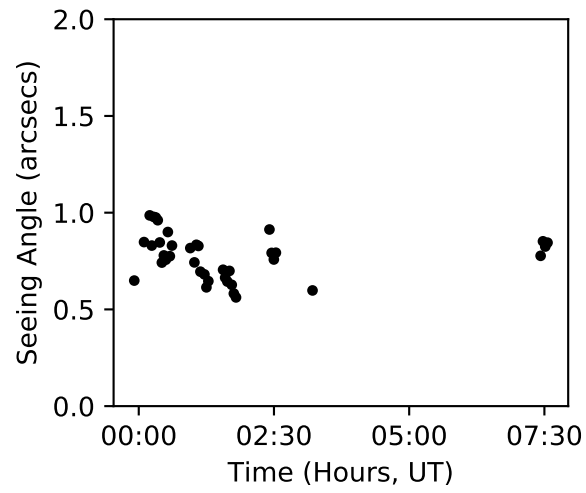
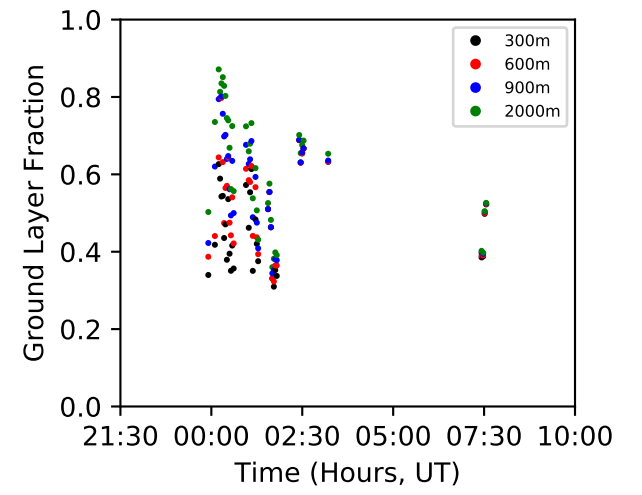
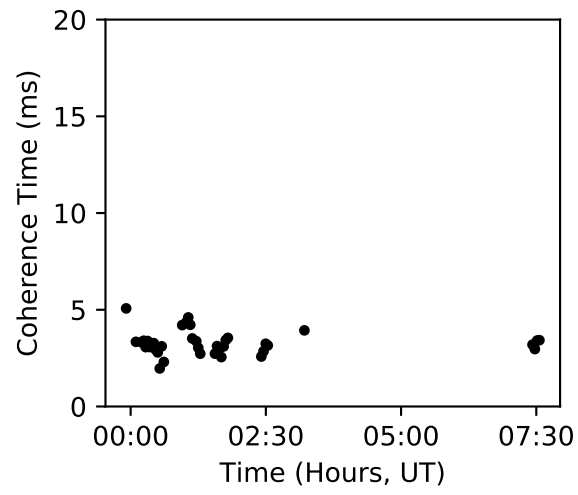
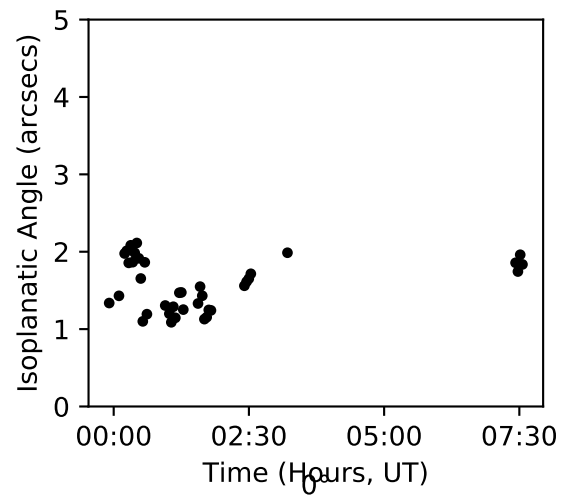
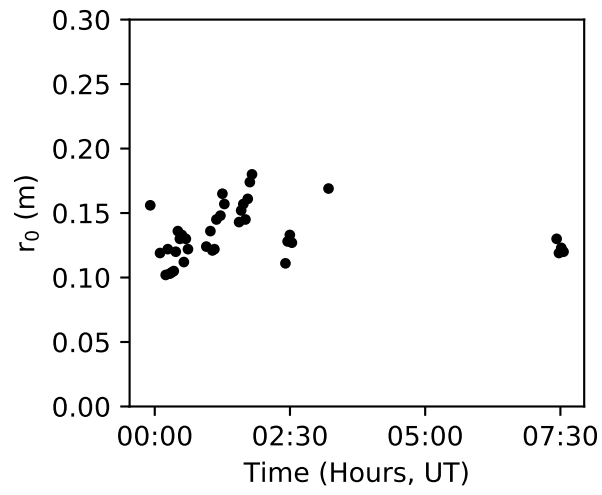
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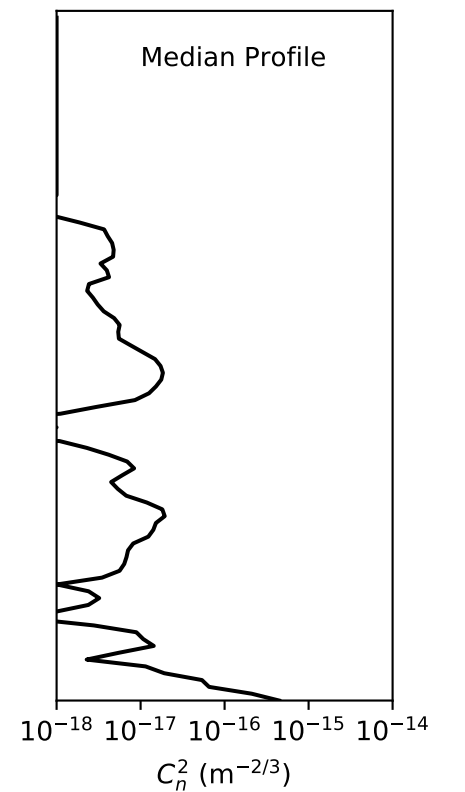
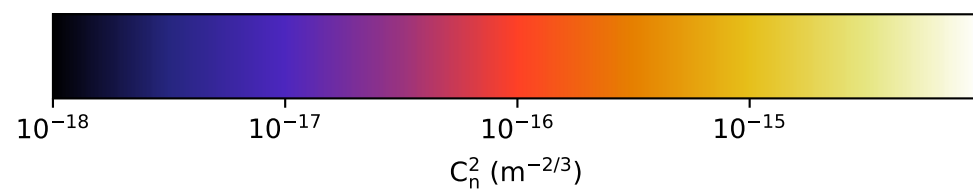
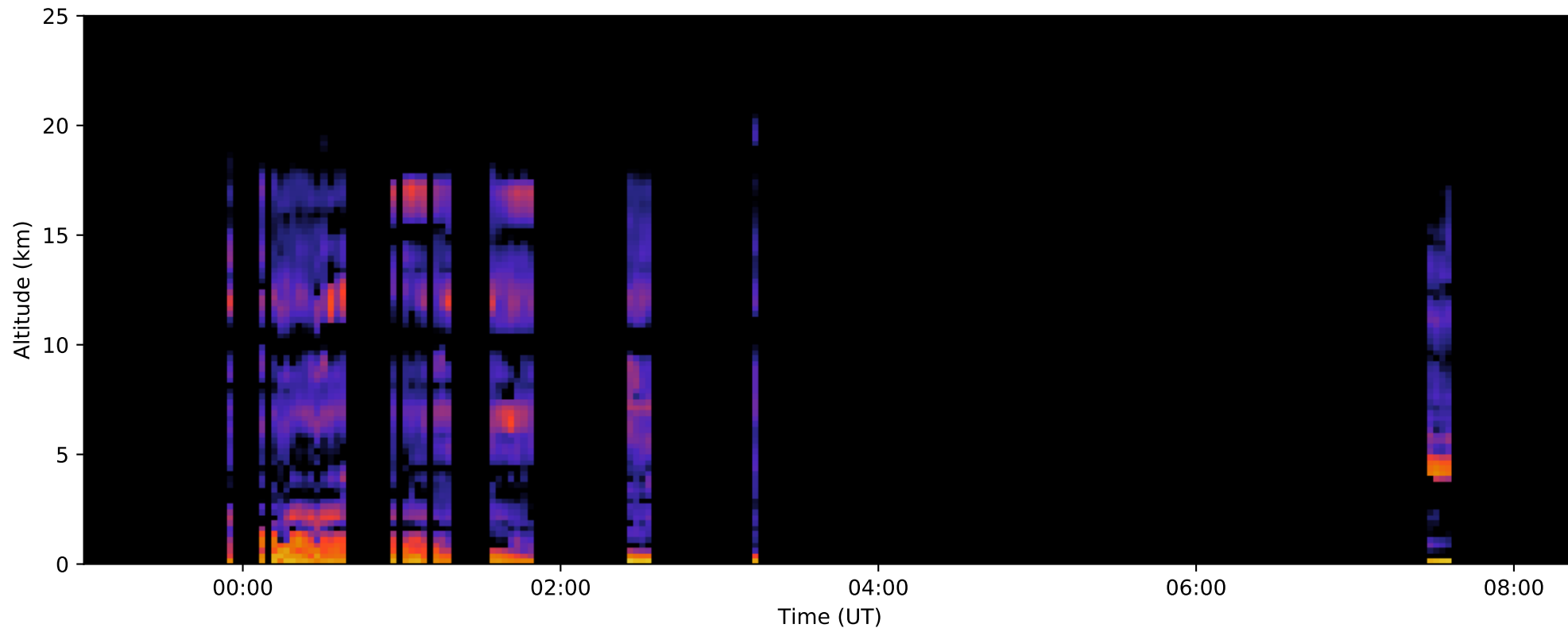


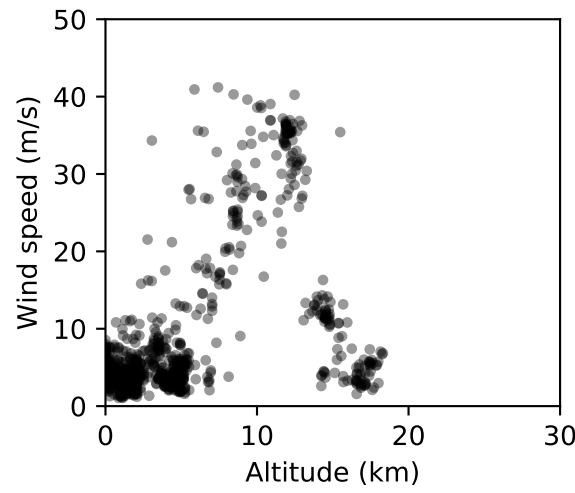
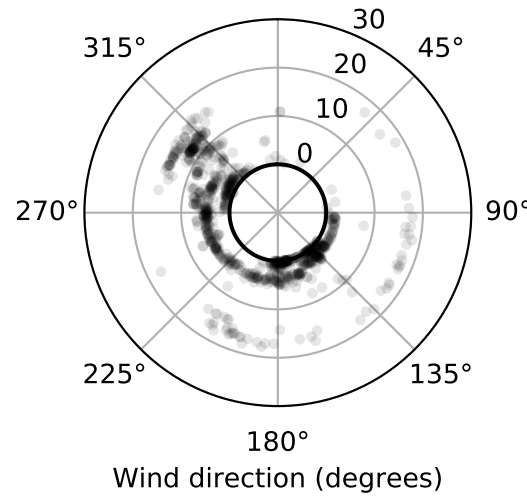
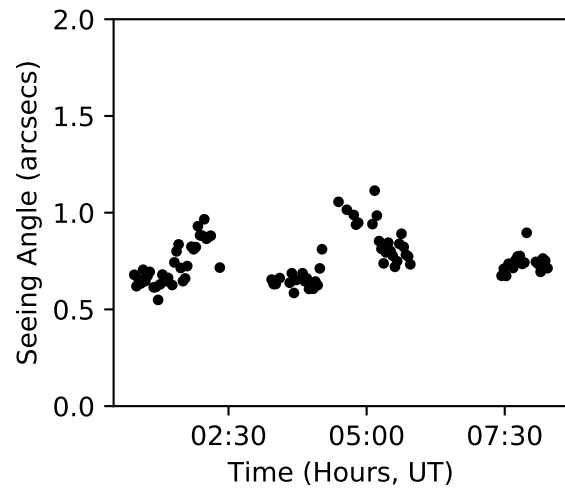
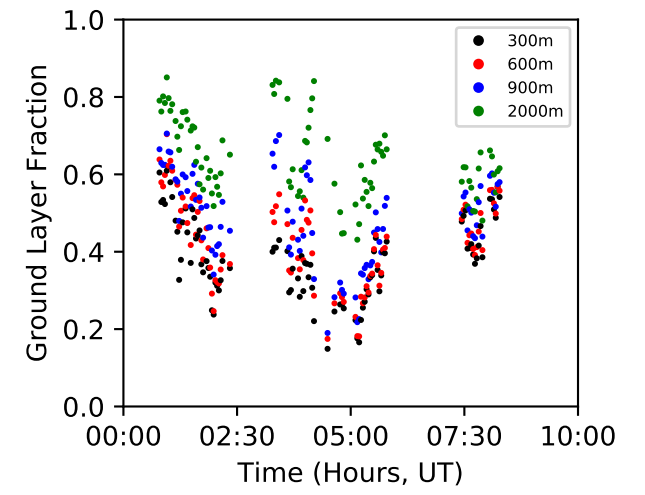
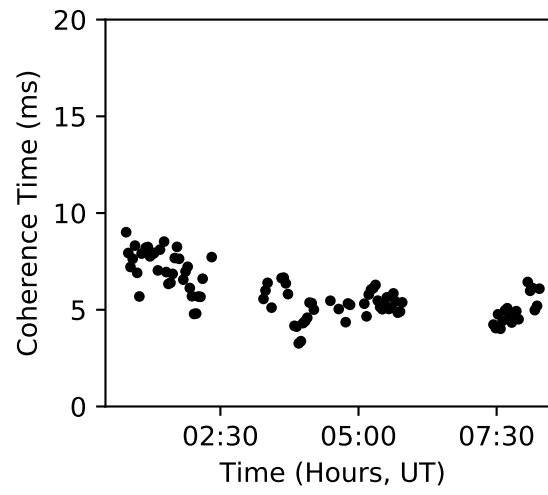
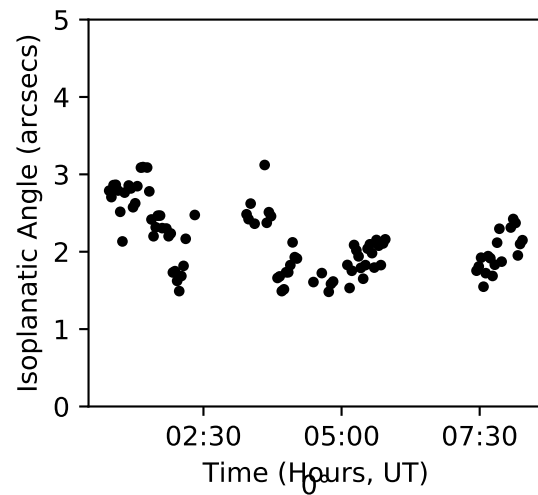
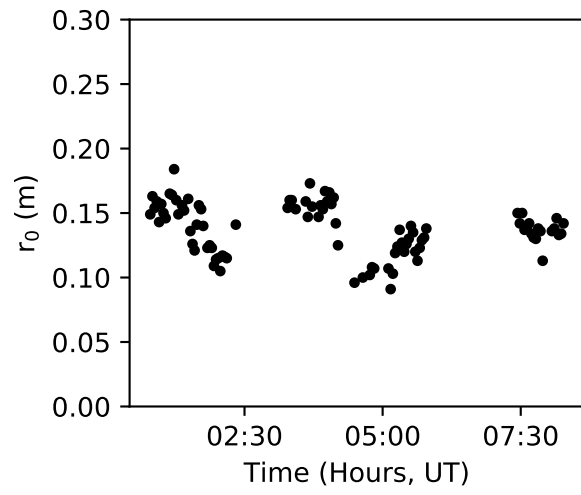
### 2017/12/05



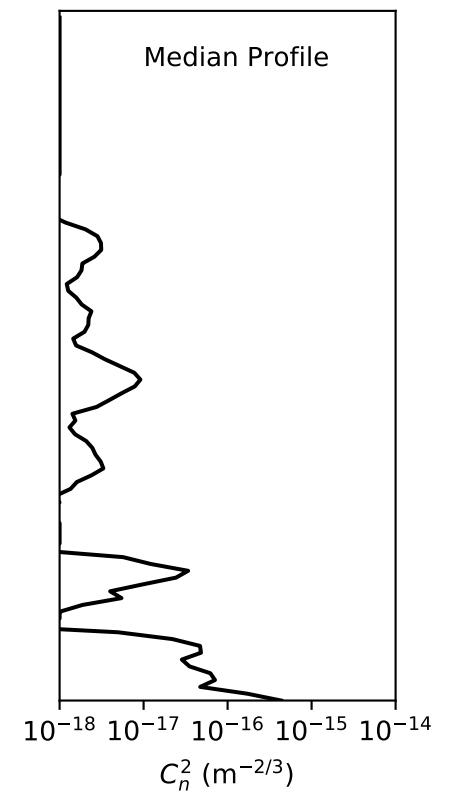
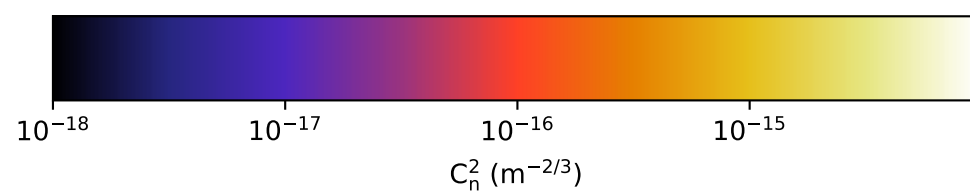
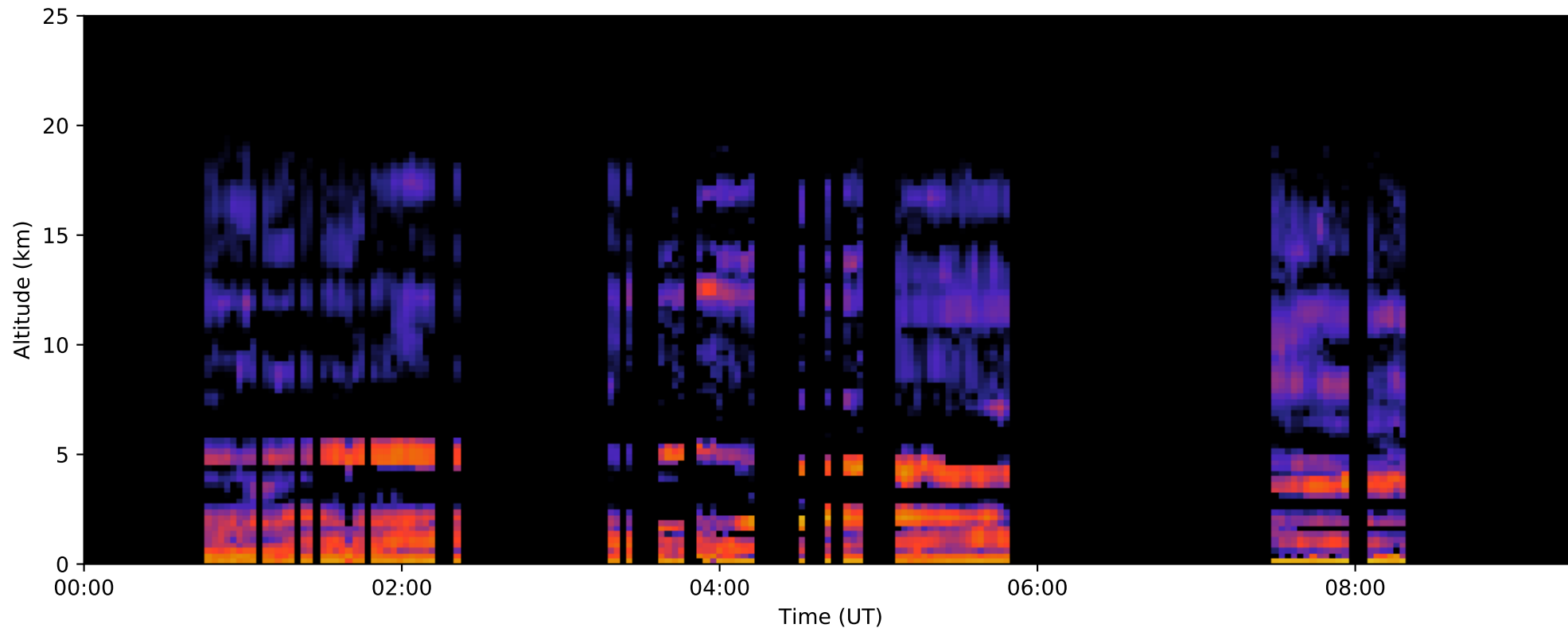


### 2017/12/06

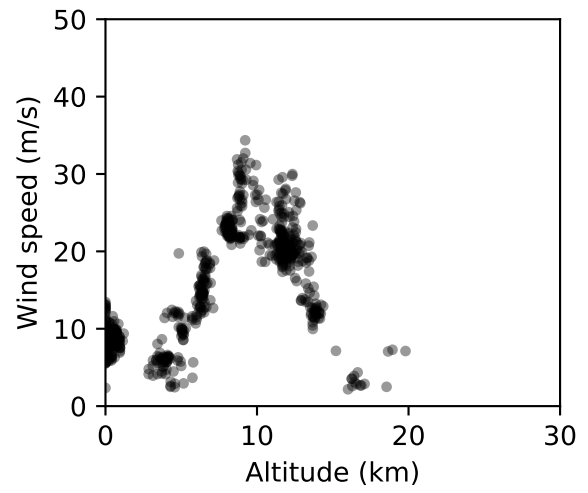
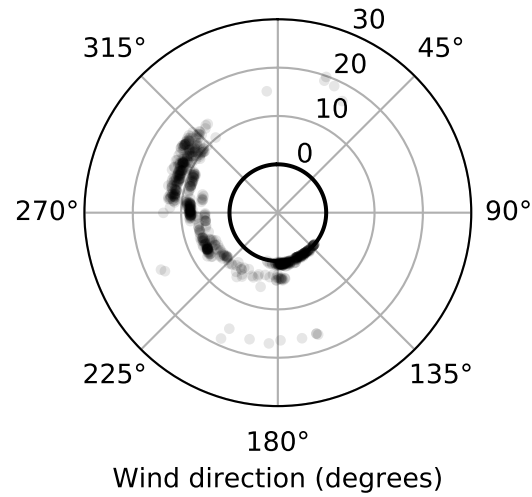
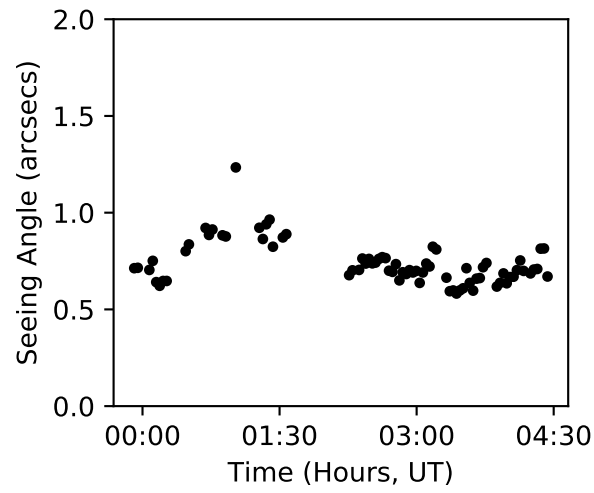
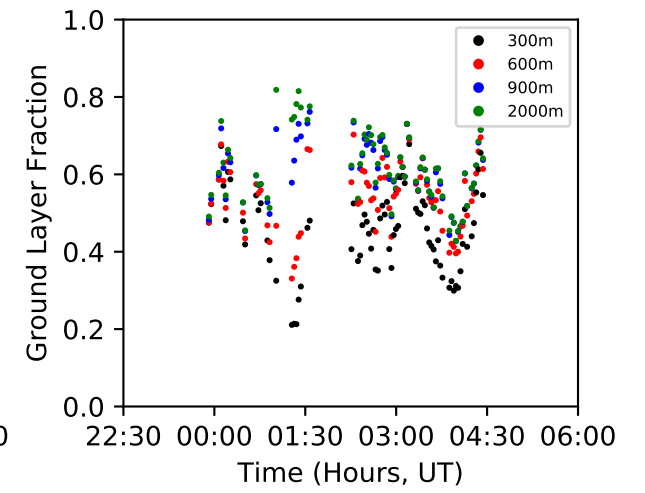
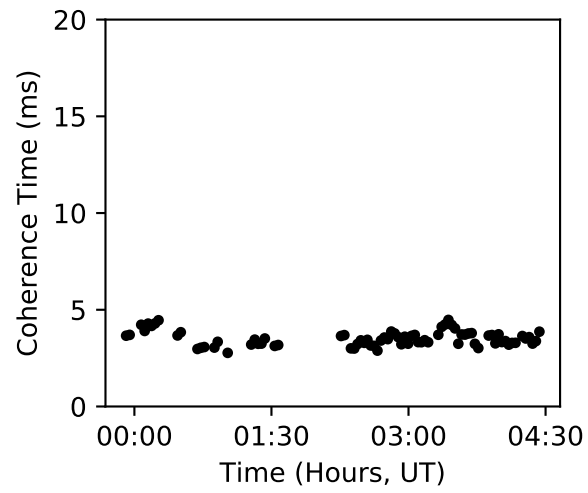
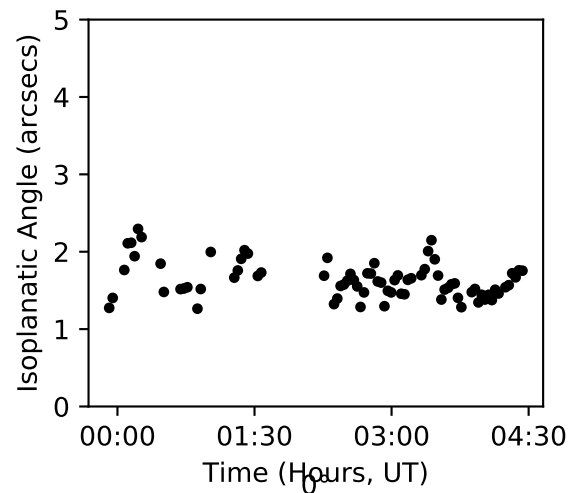
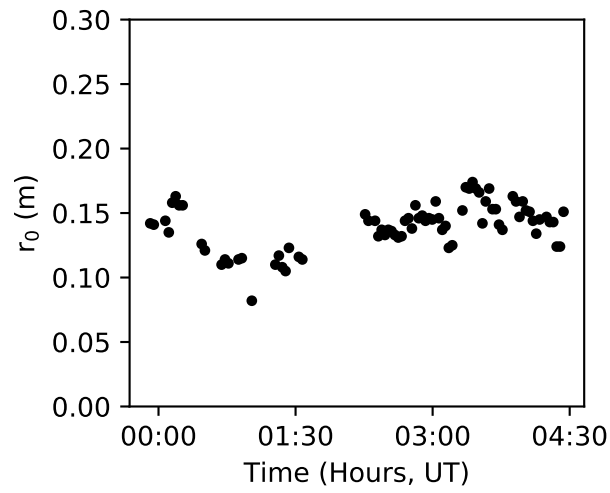




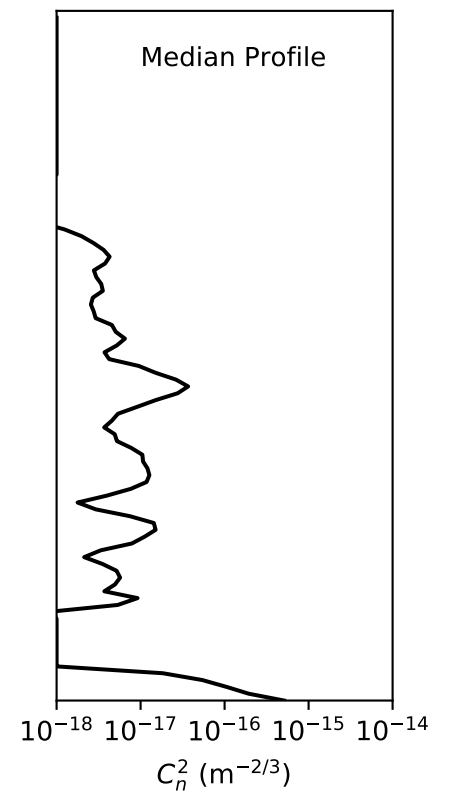
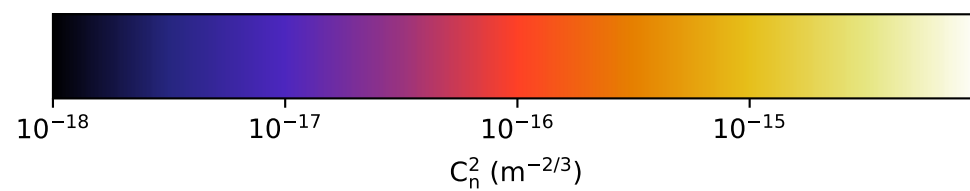
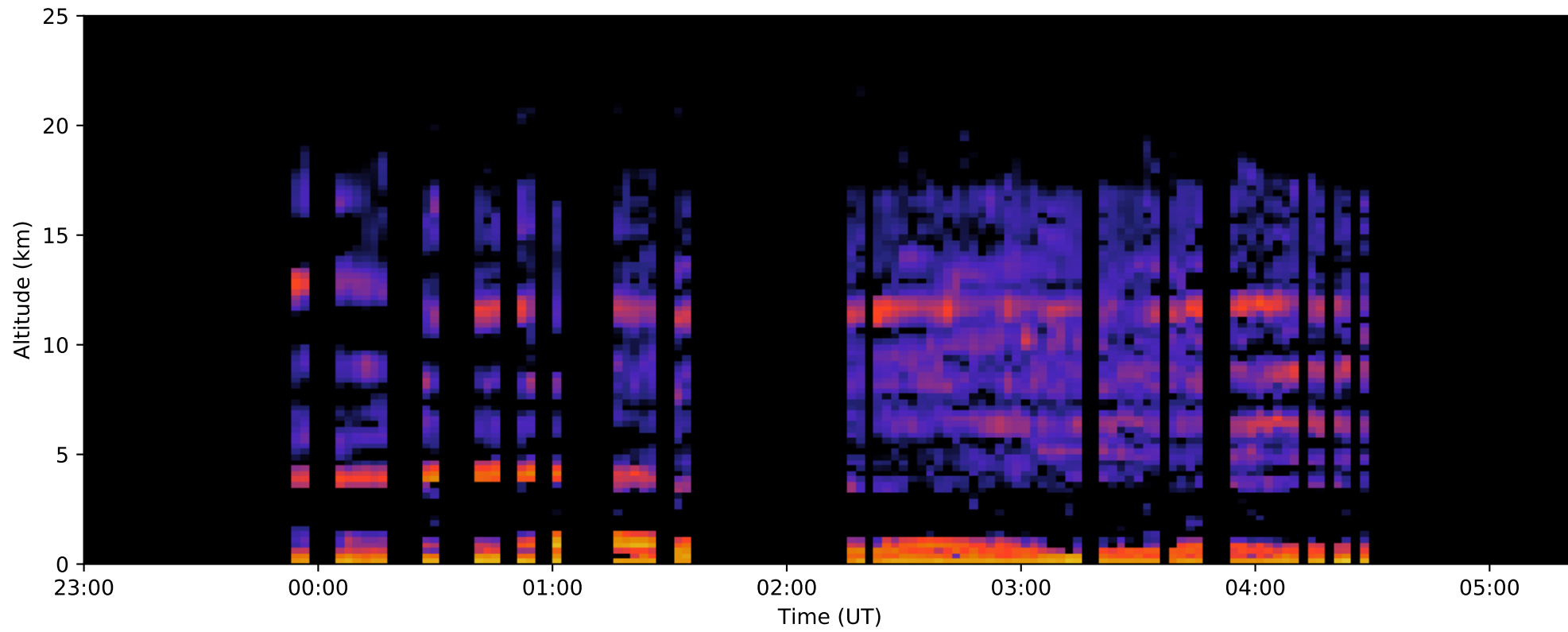
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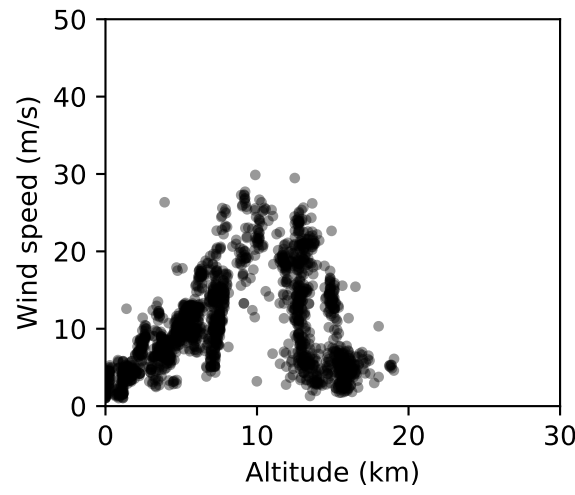
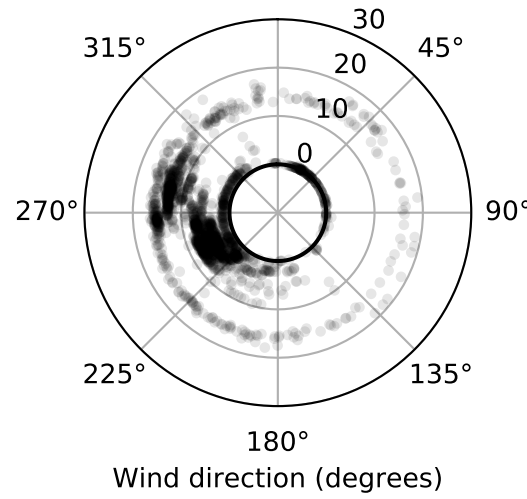
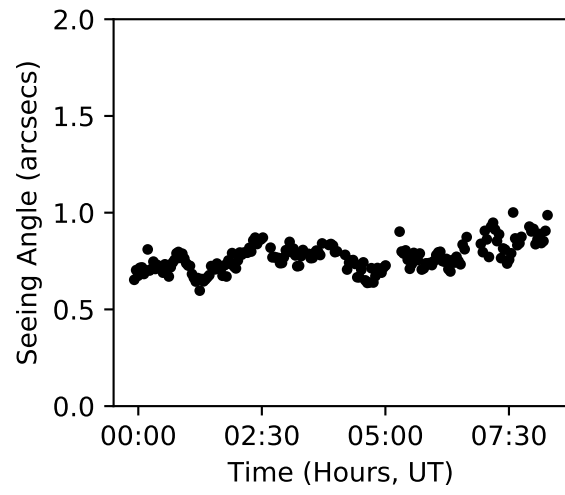
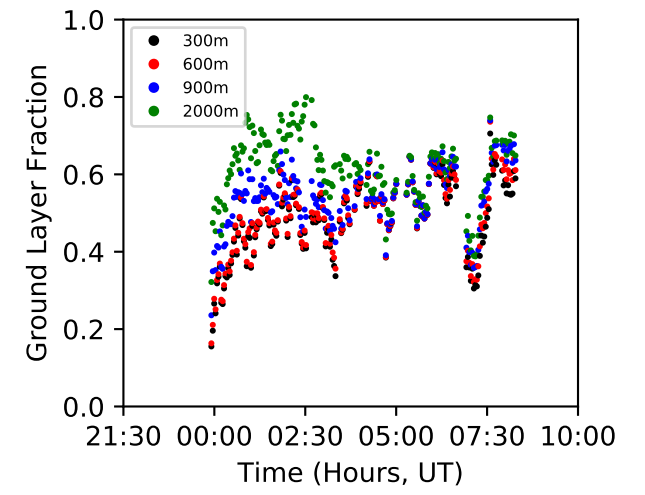
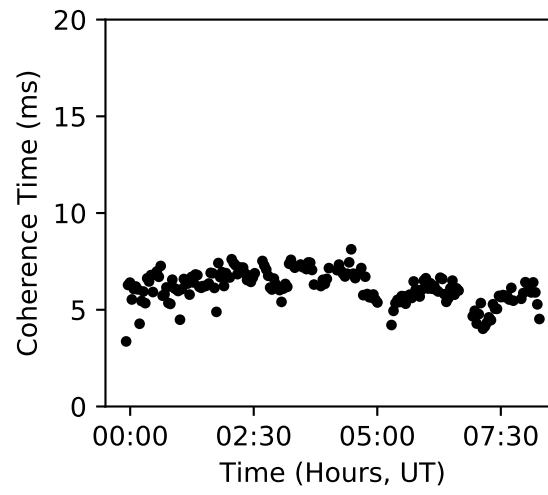
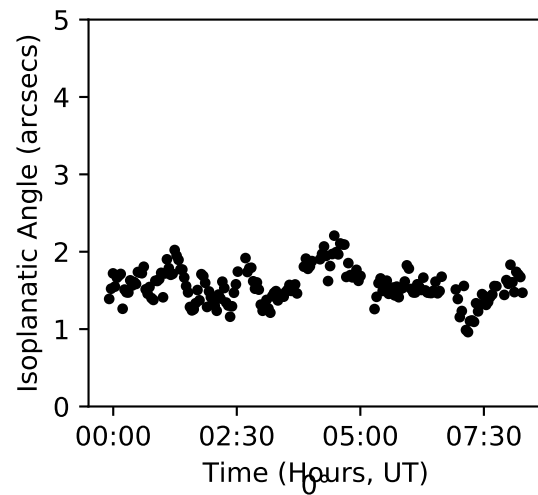
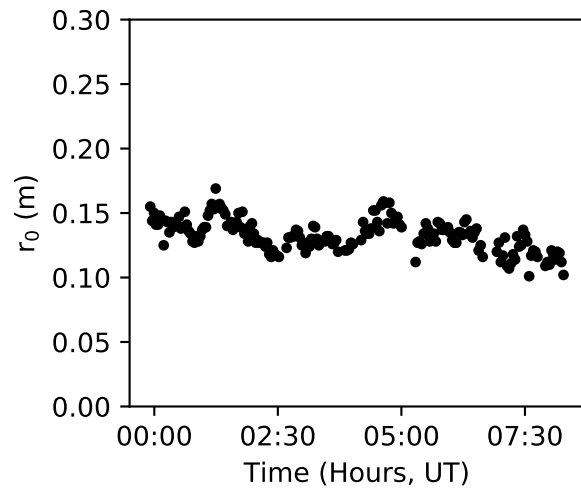




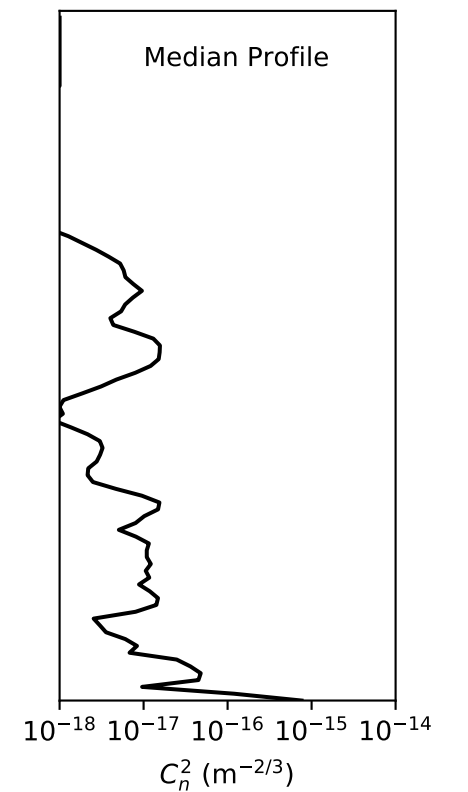
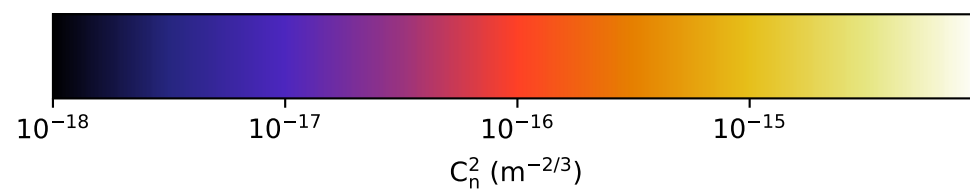
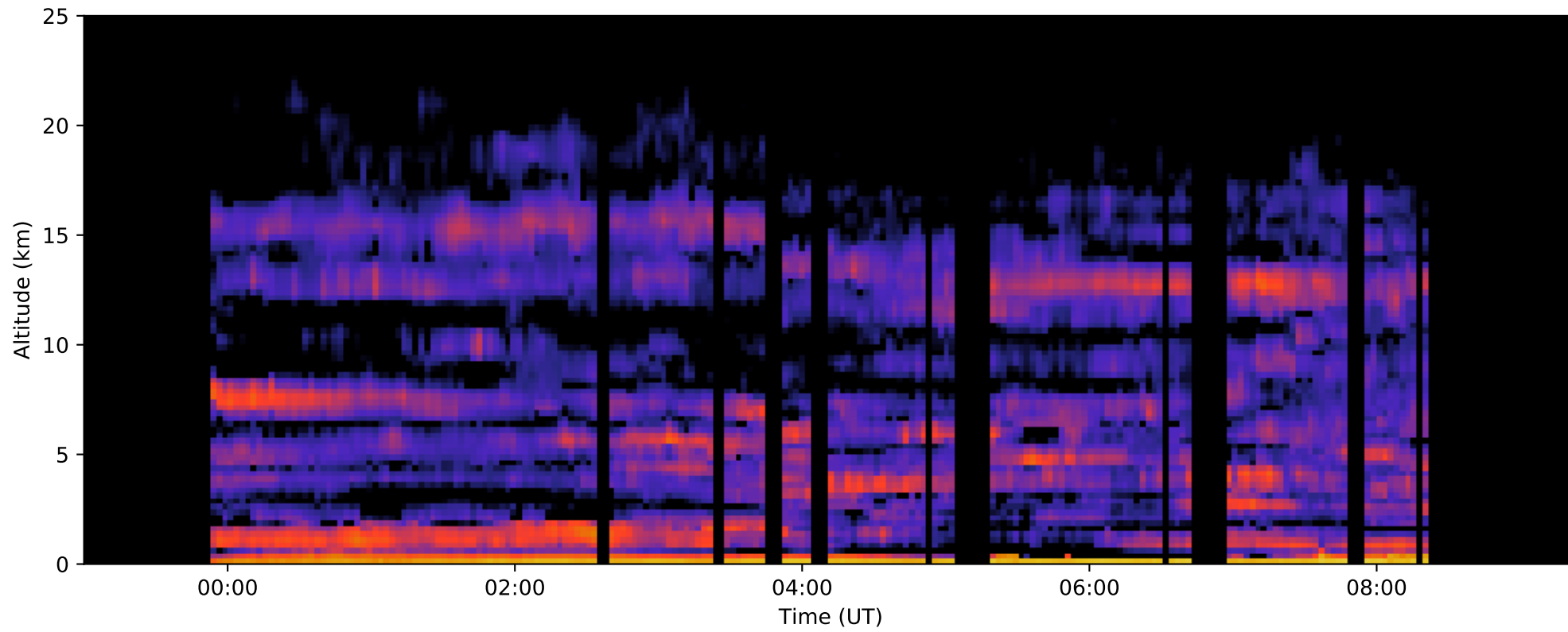


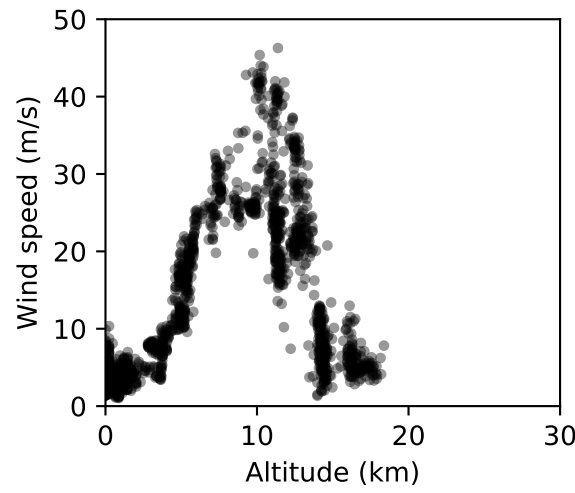
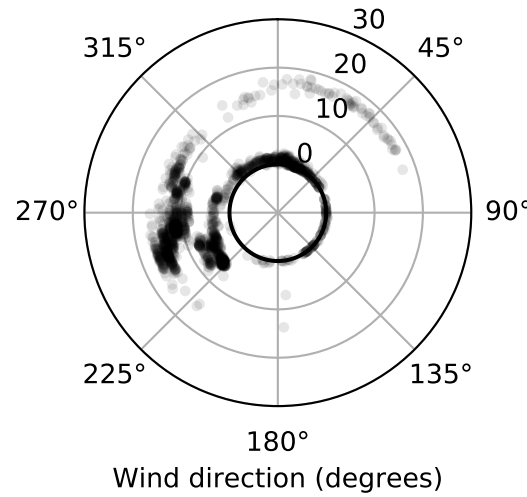
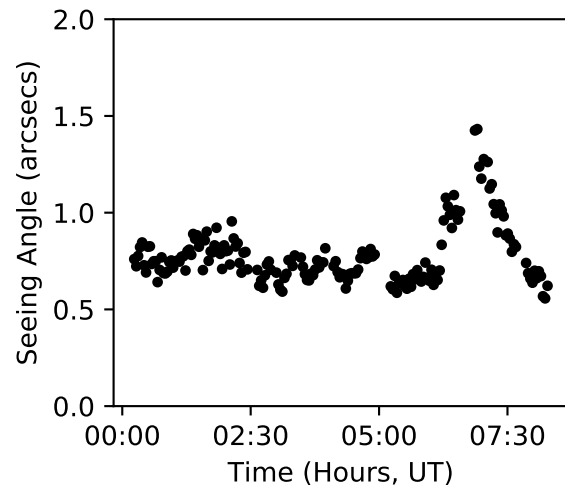
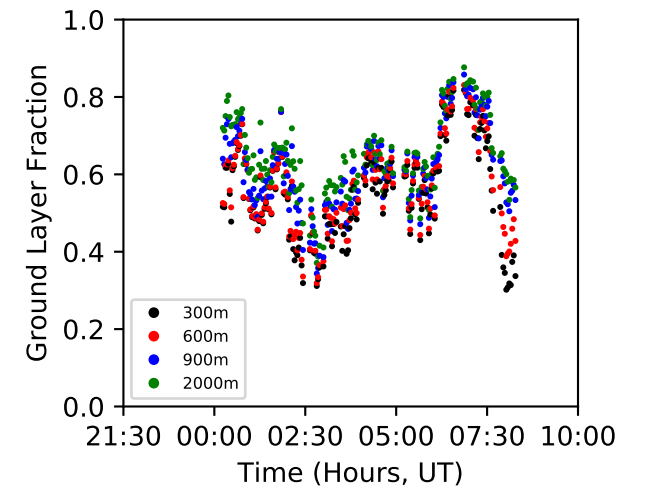
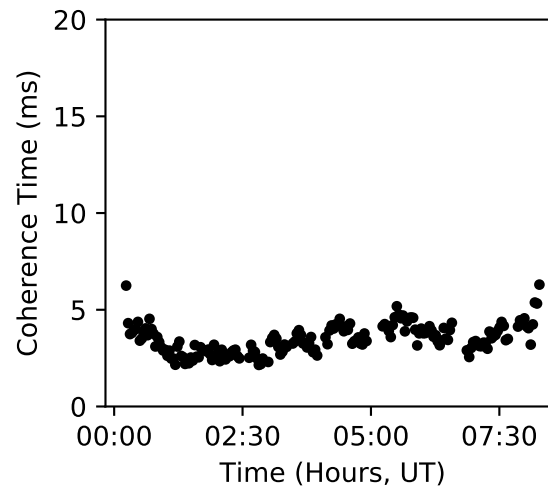
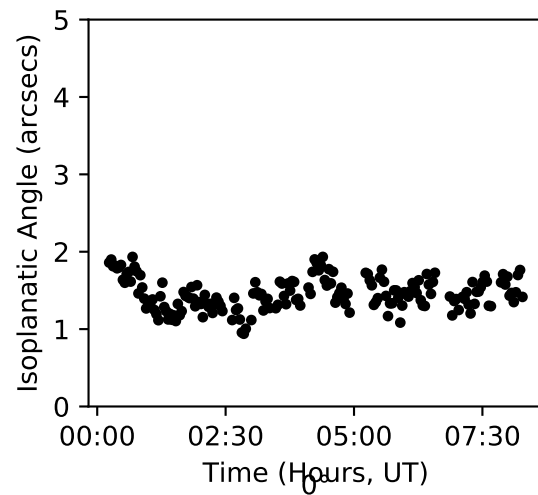
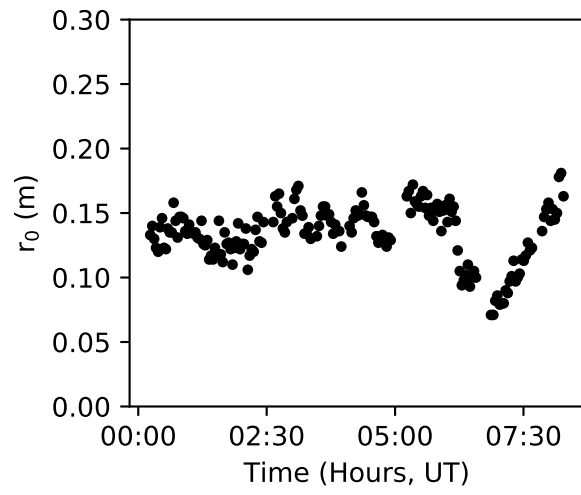
### 2017/12/09



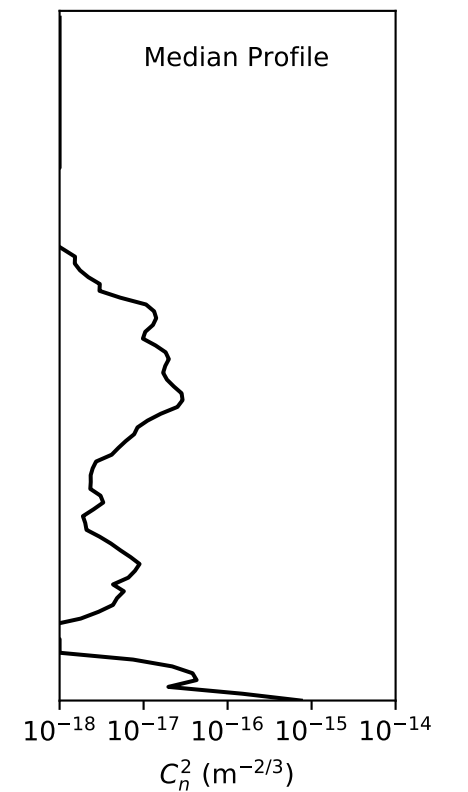
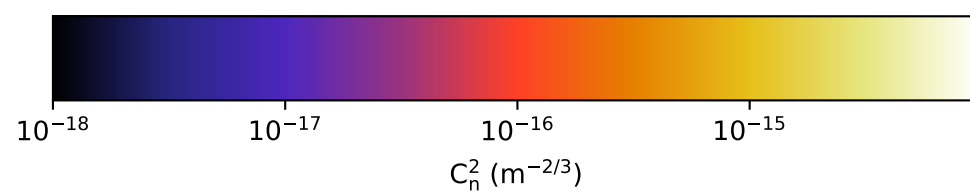
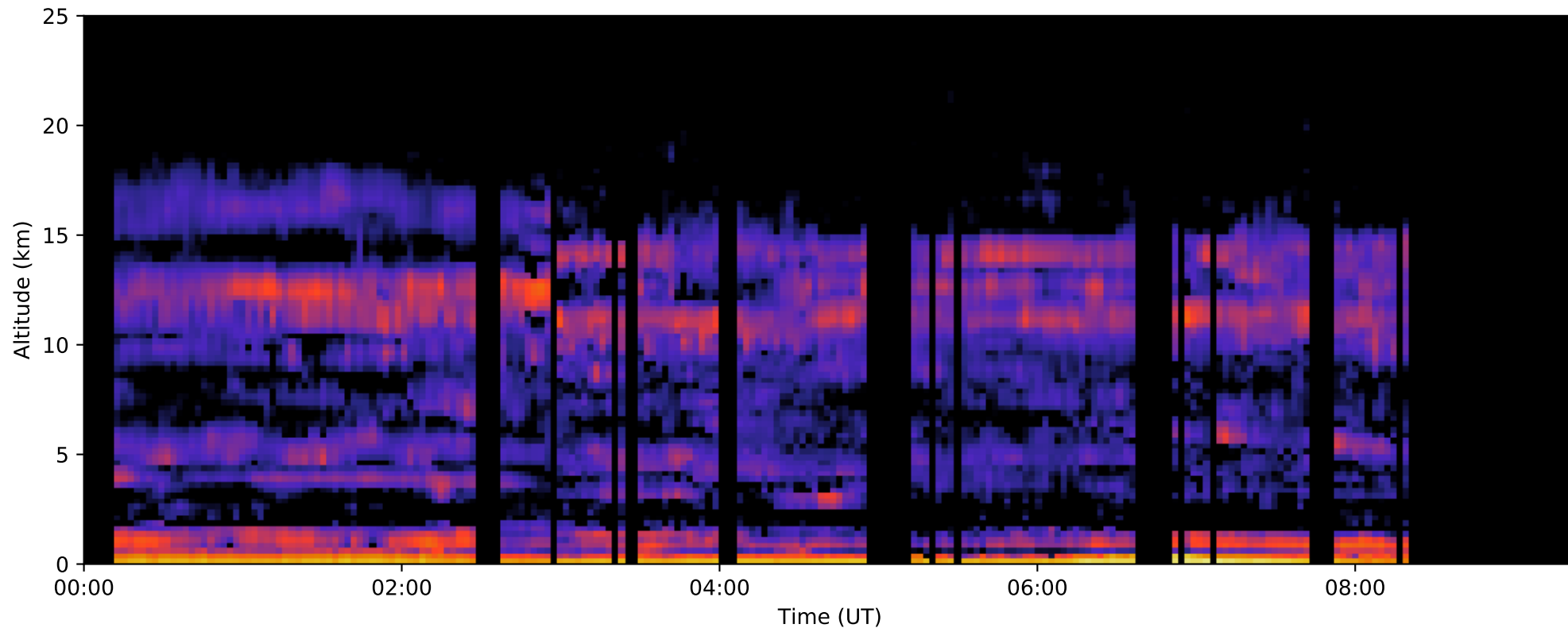


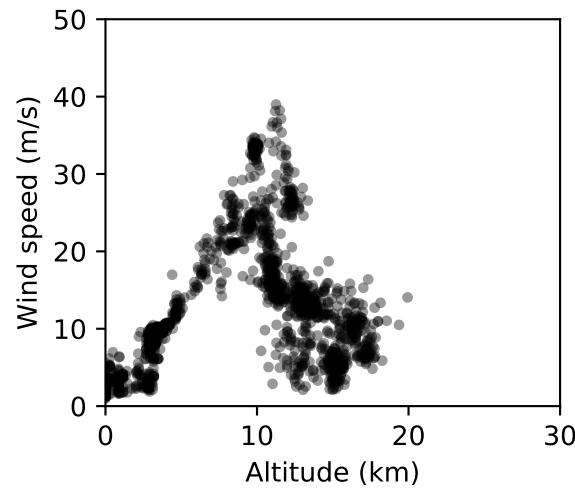
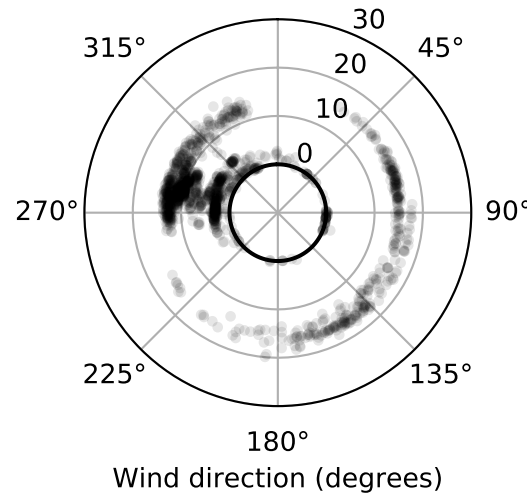
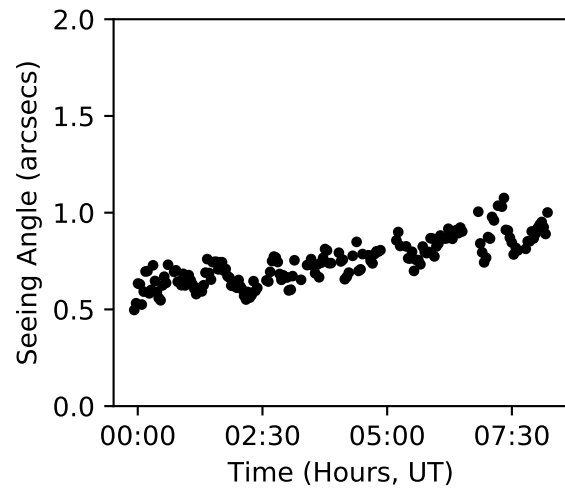
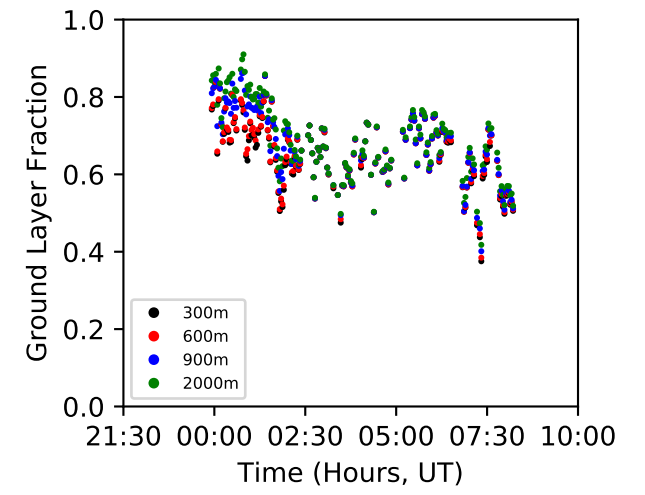
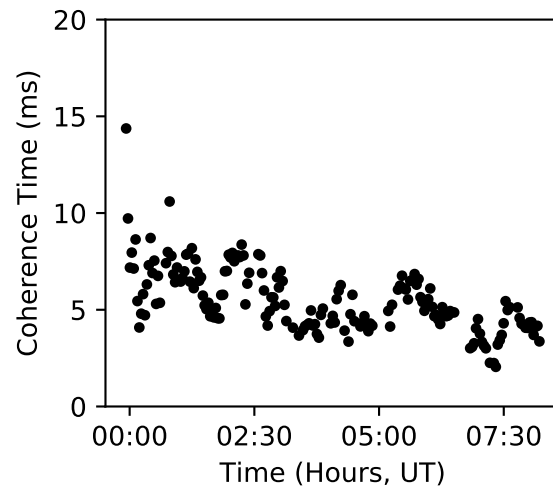
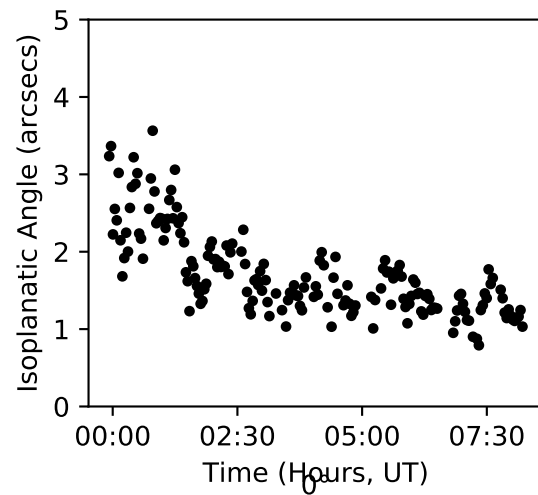
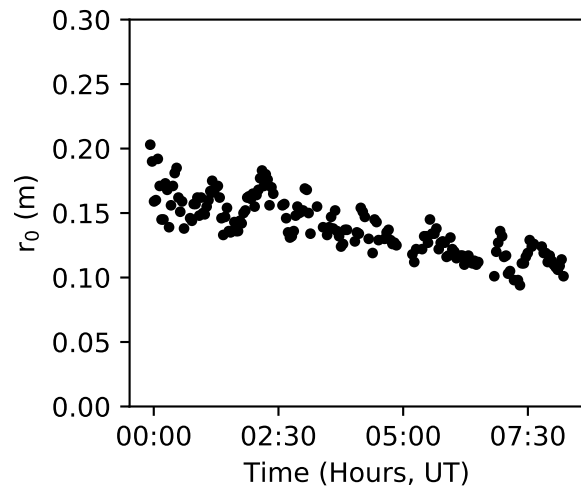
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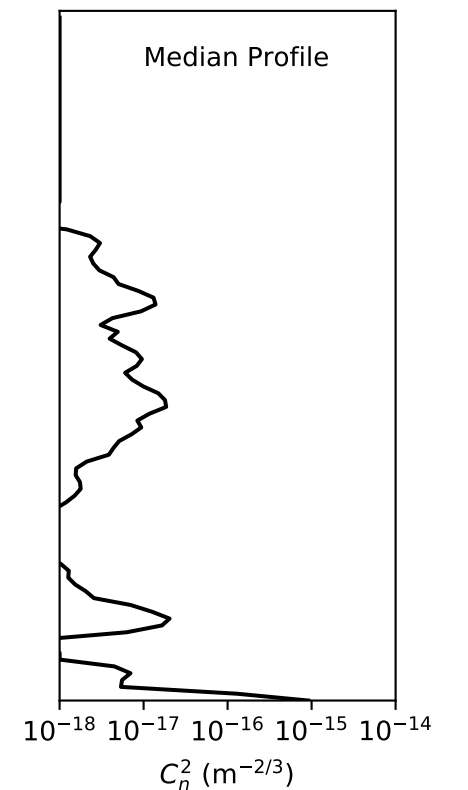
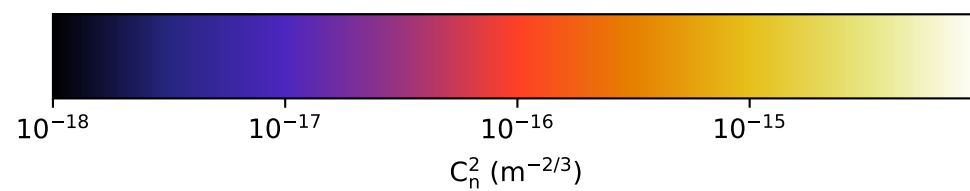
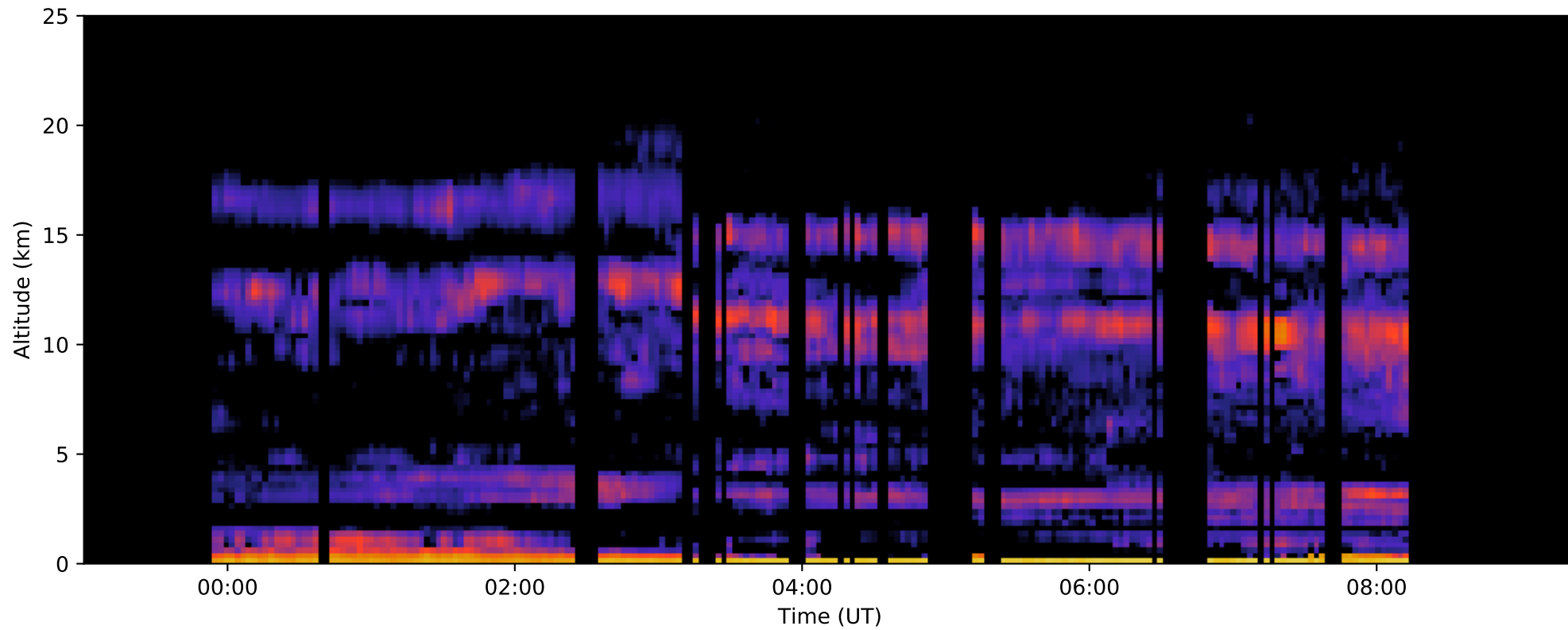


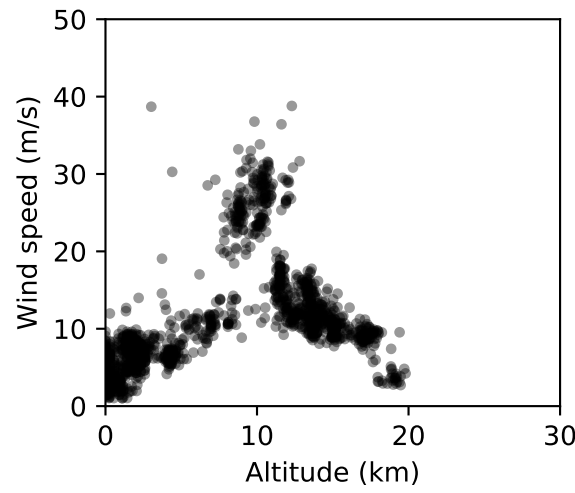
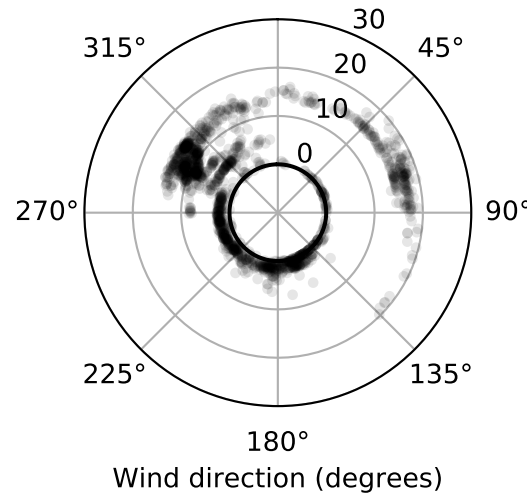
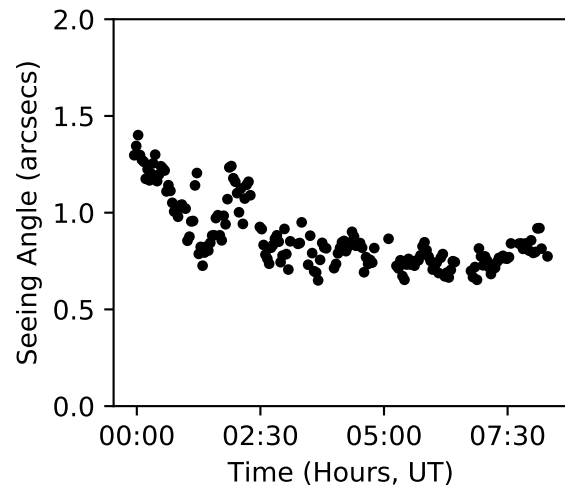
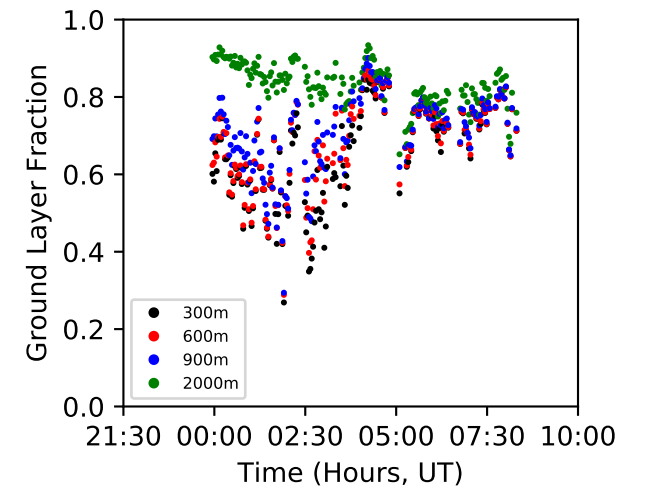
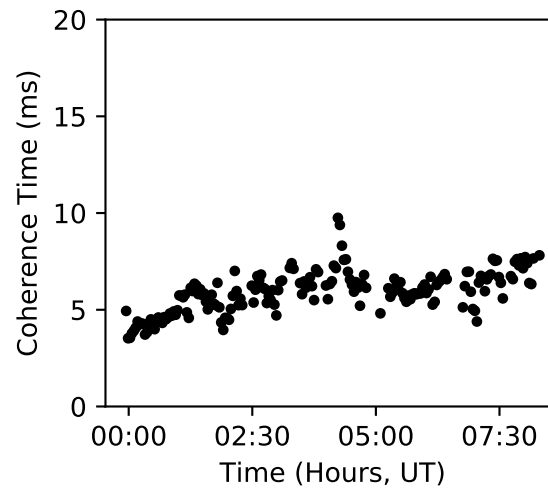
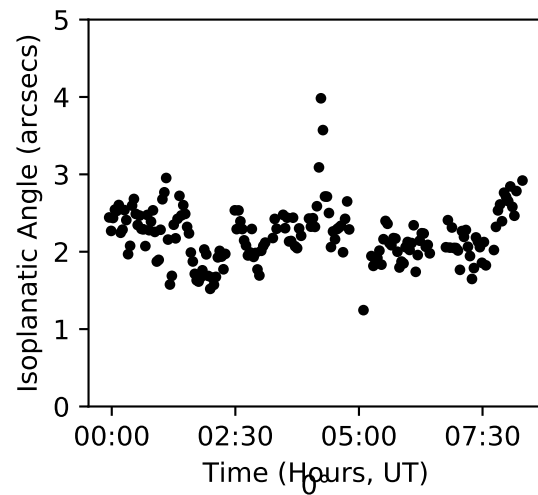
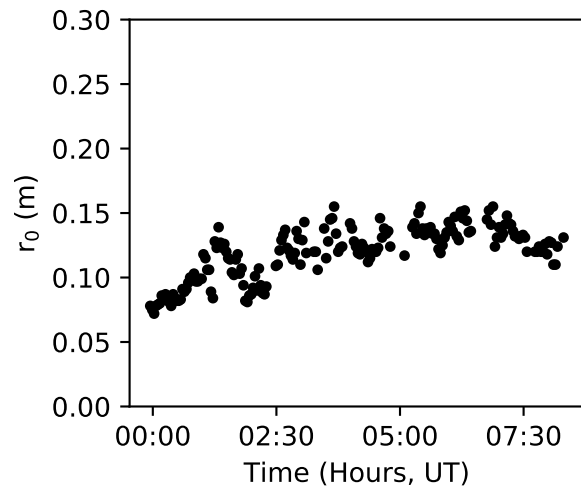
### 2017/12/11



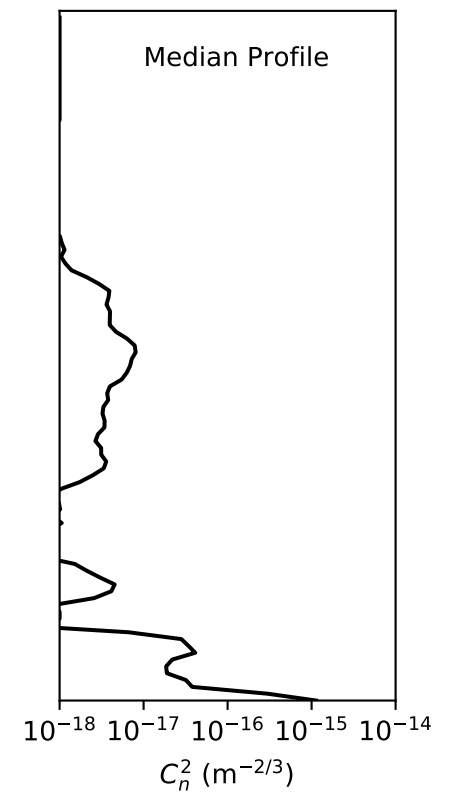
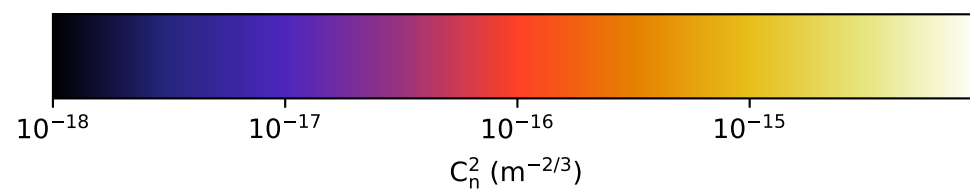
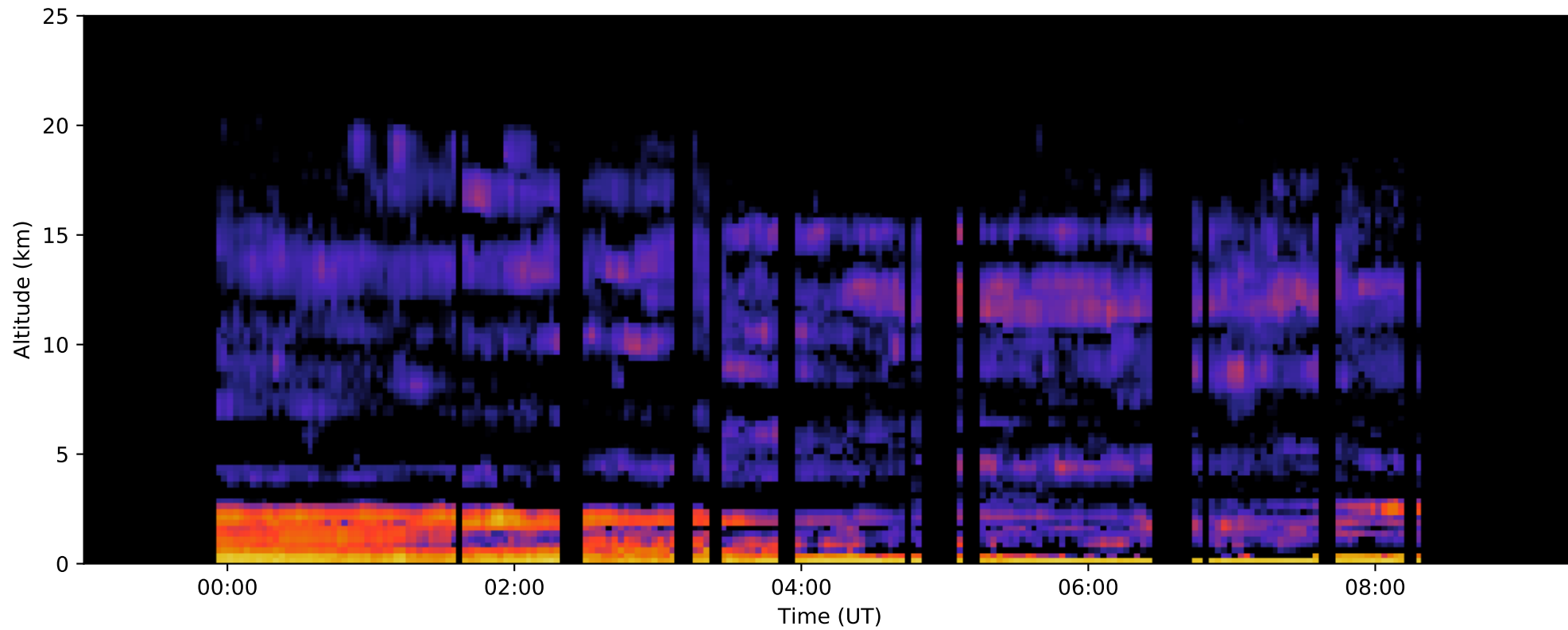


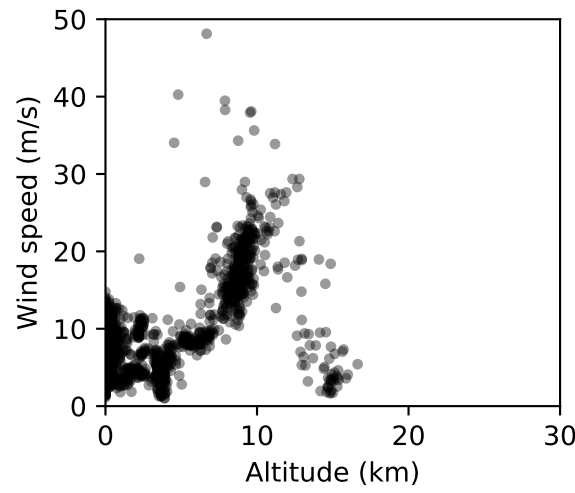
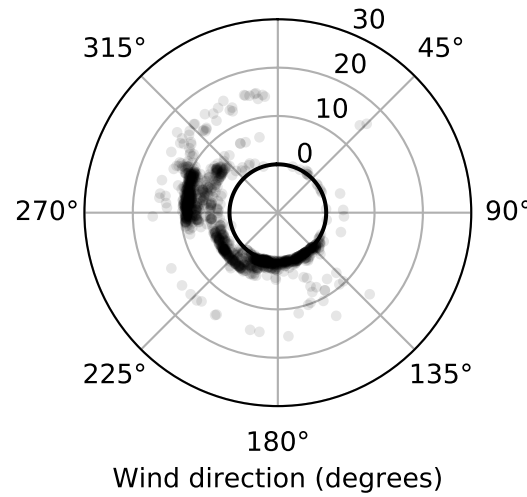
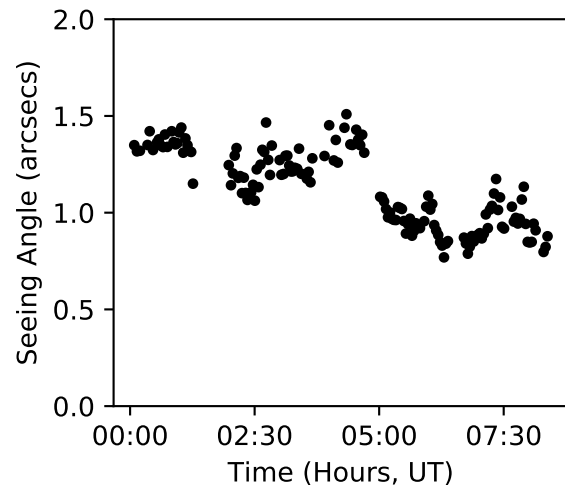
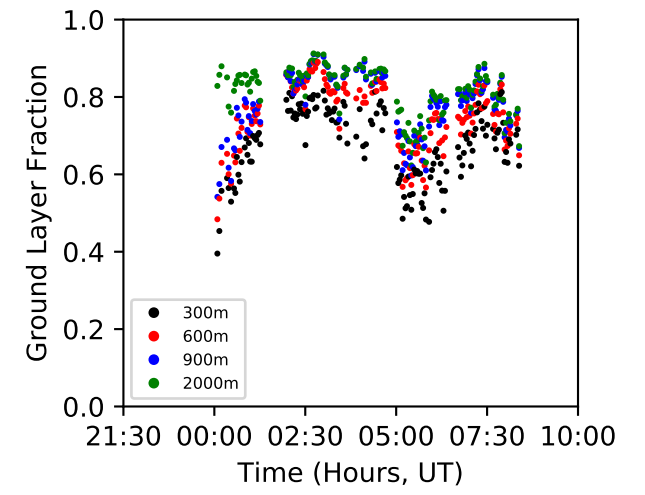
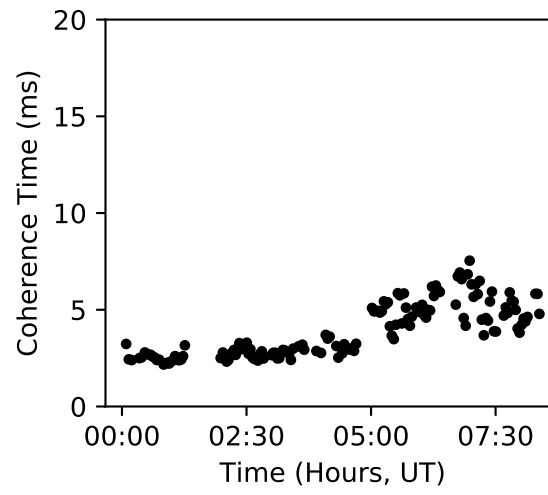
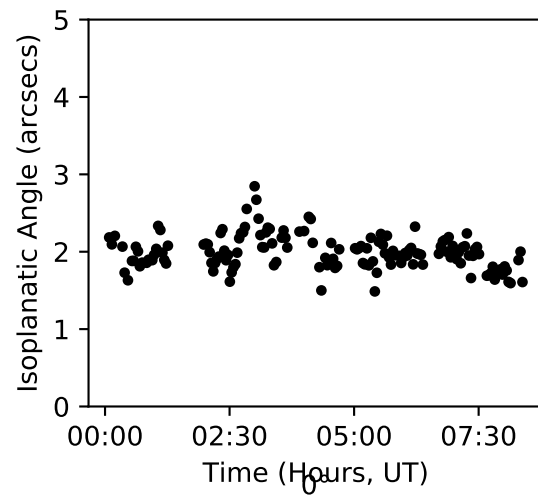
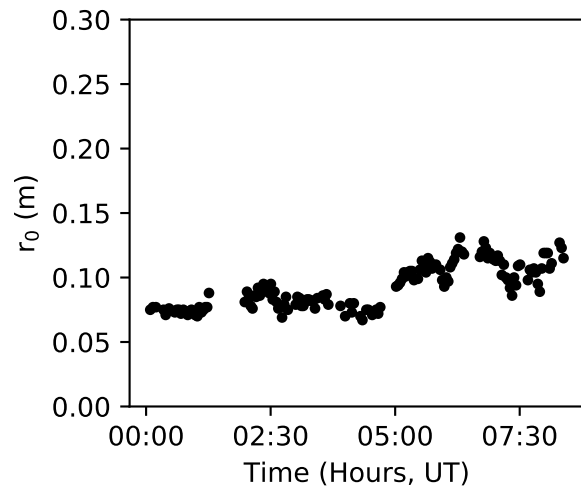
### 2017/12/12



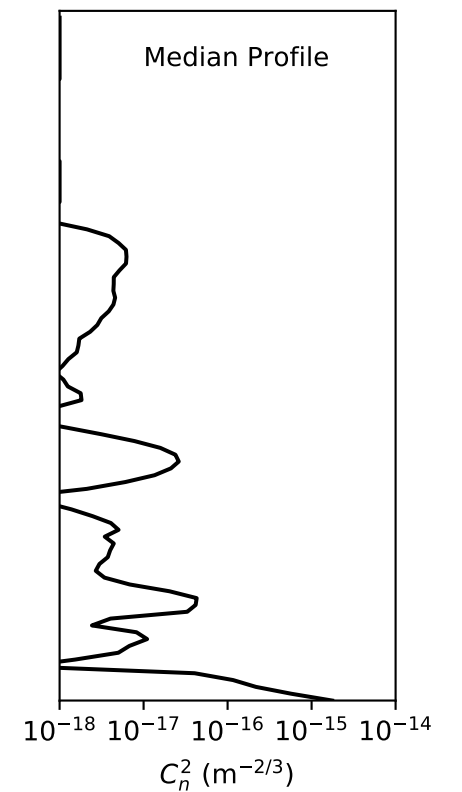
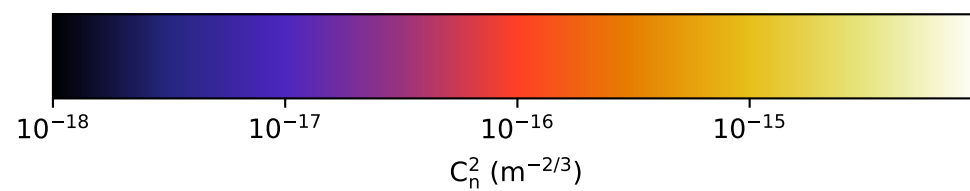
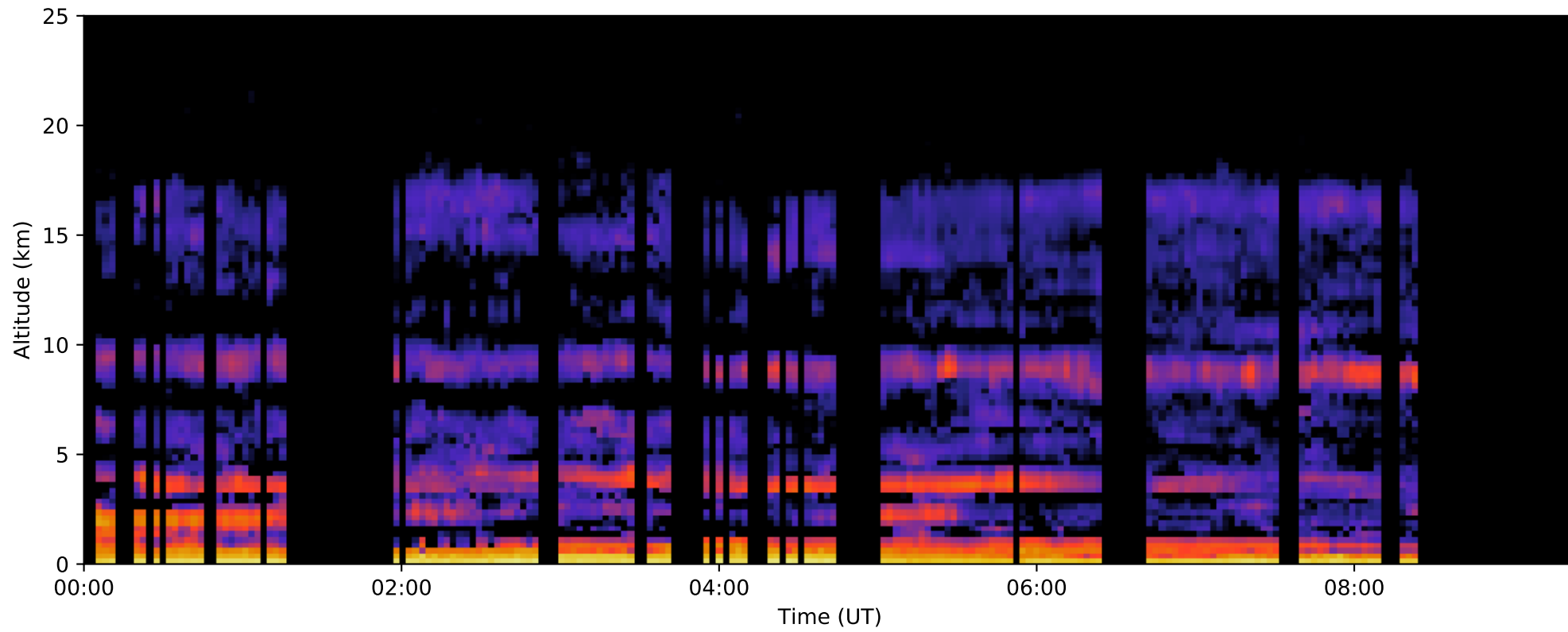


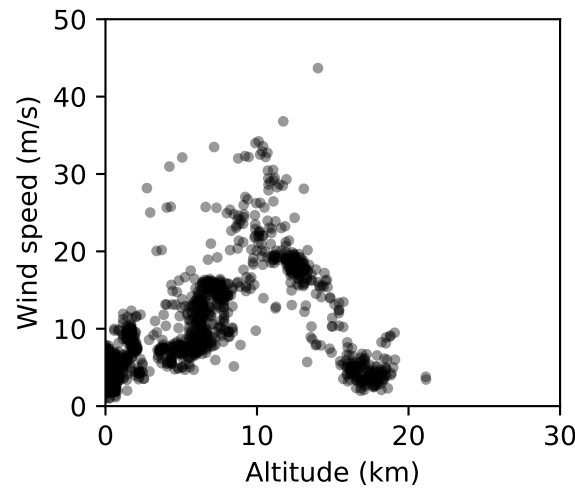
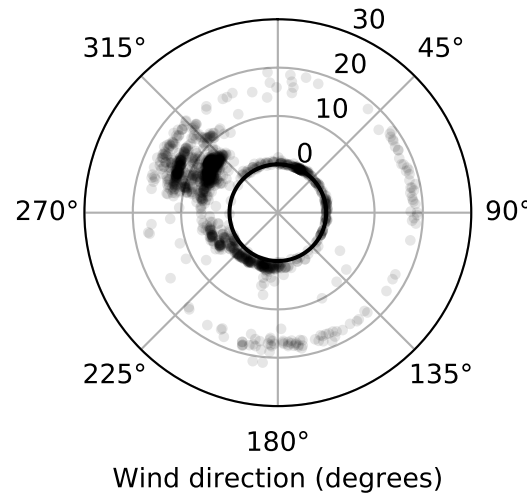
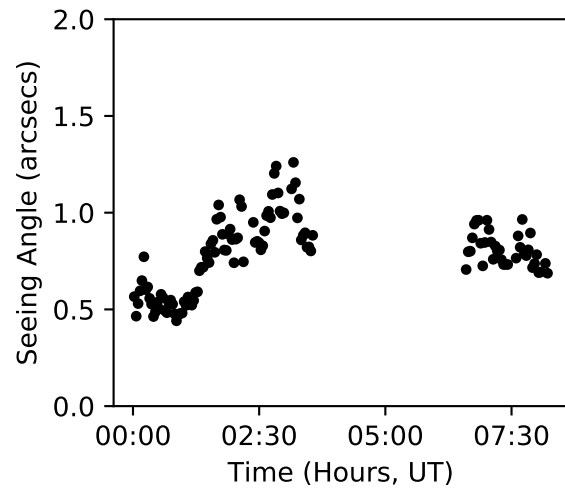
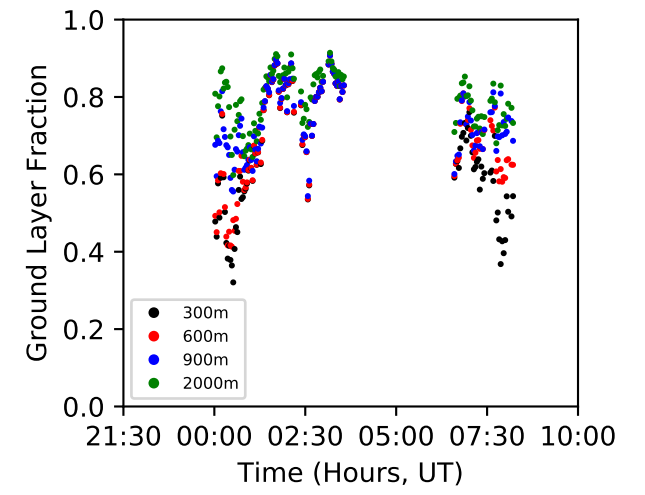
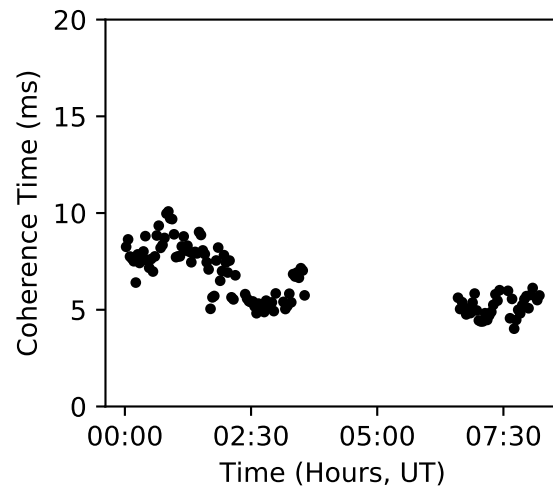
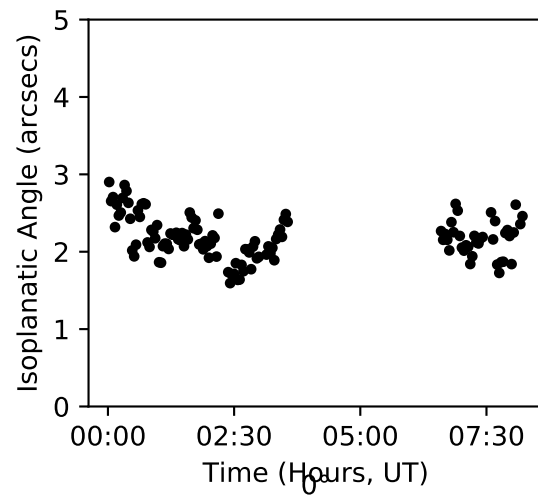
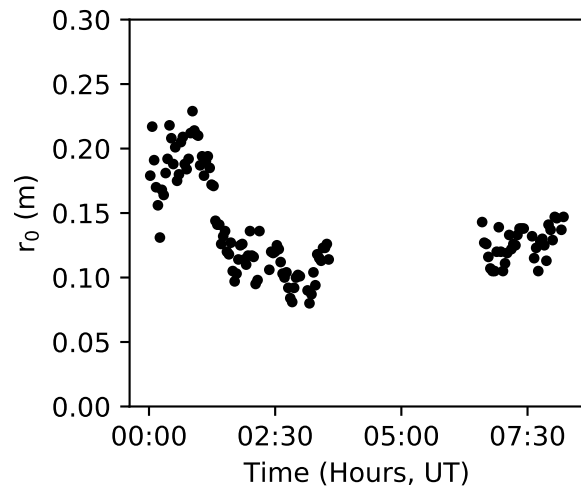
### 2017/12/13



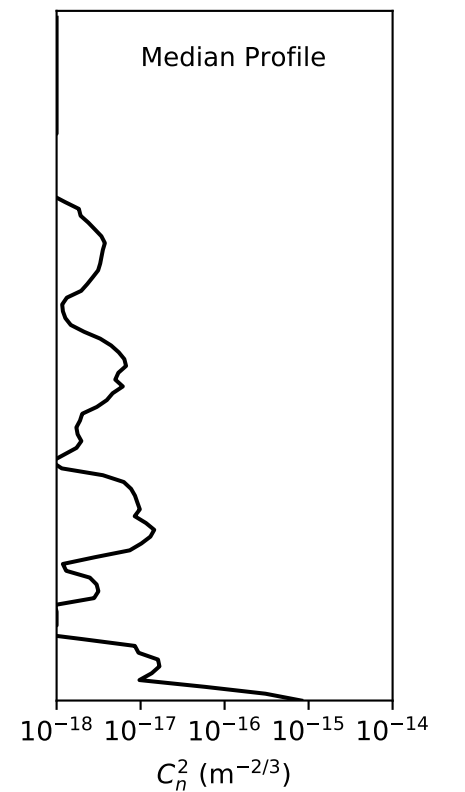
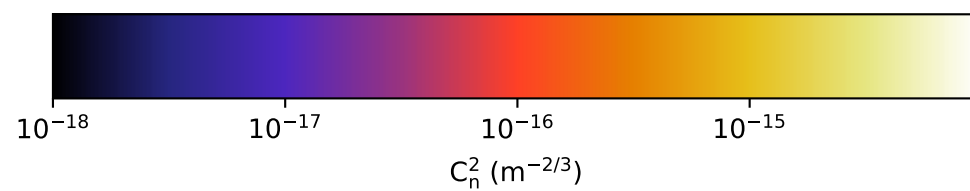
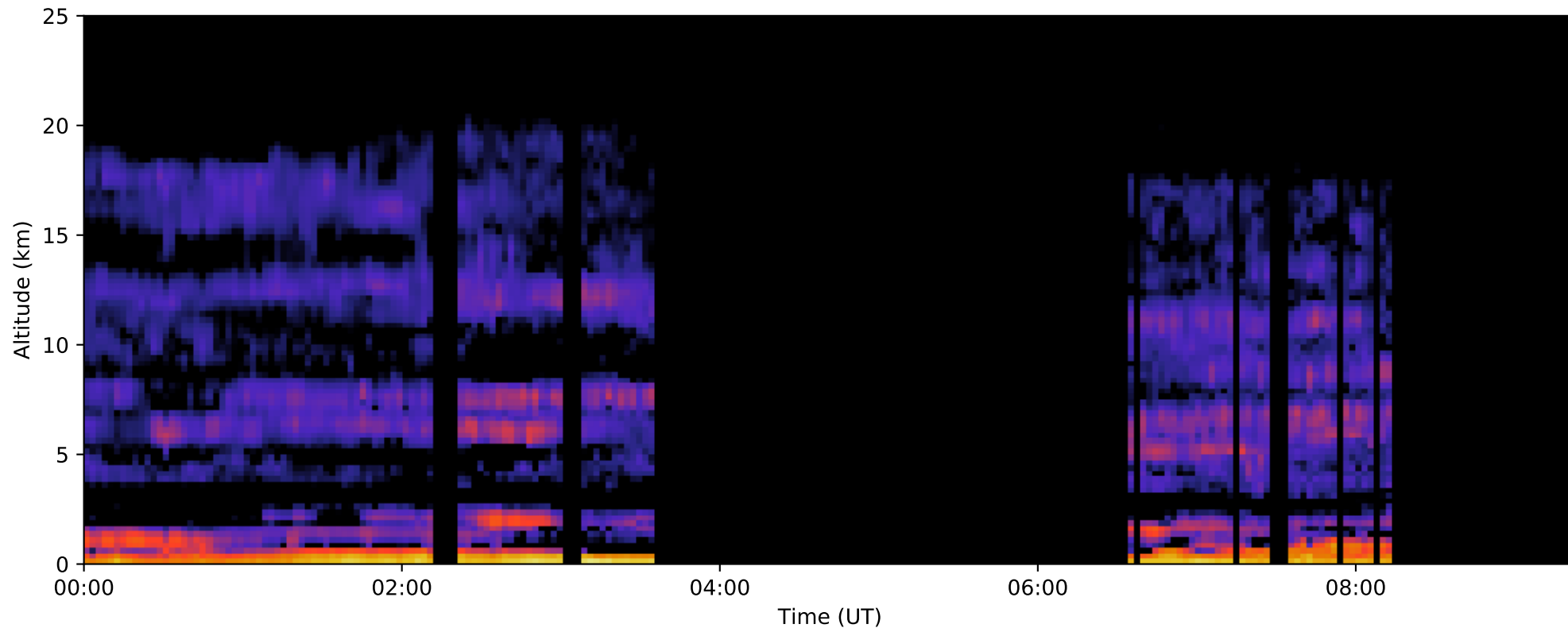


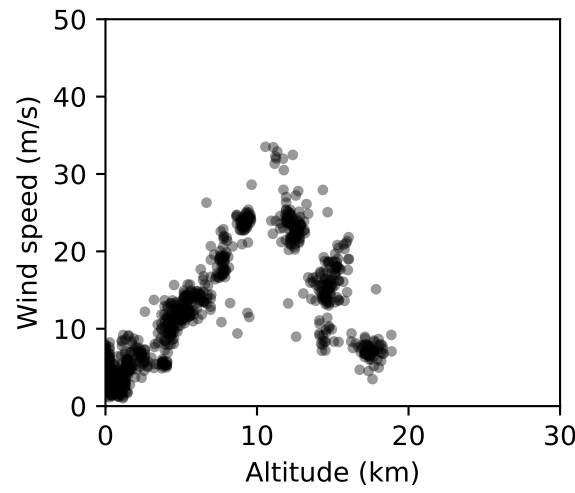
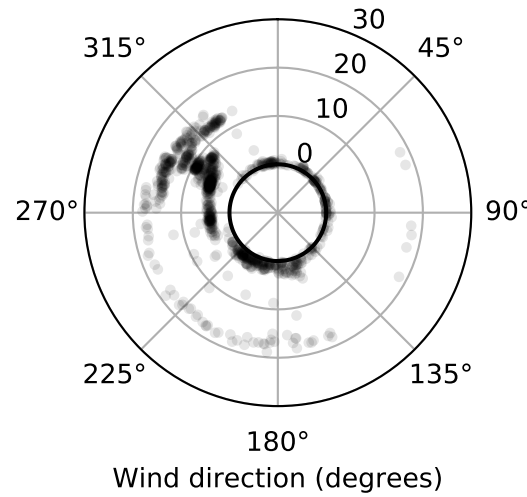
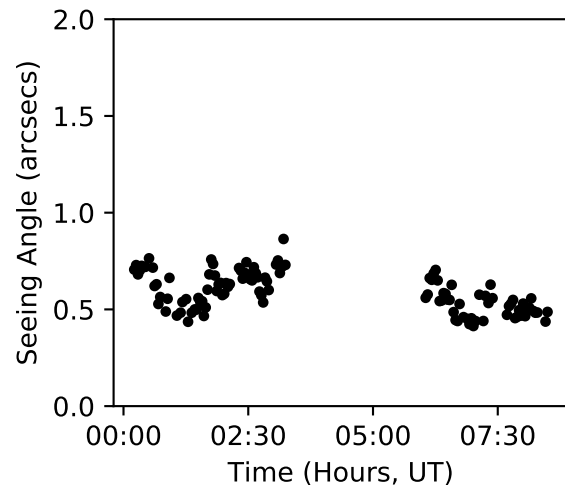
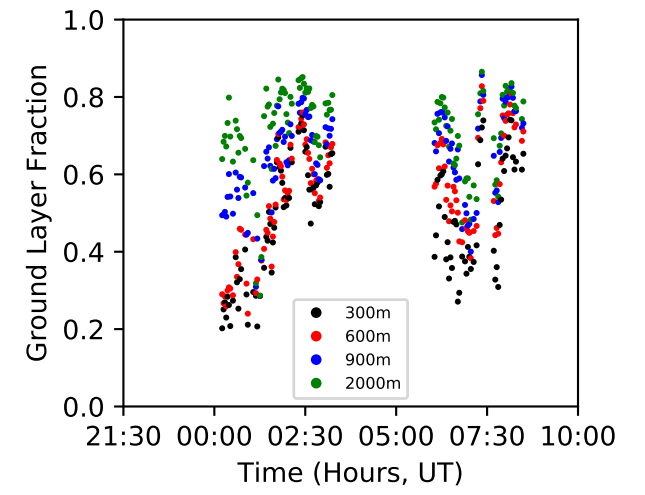
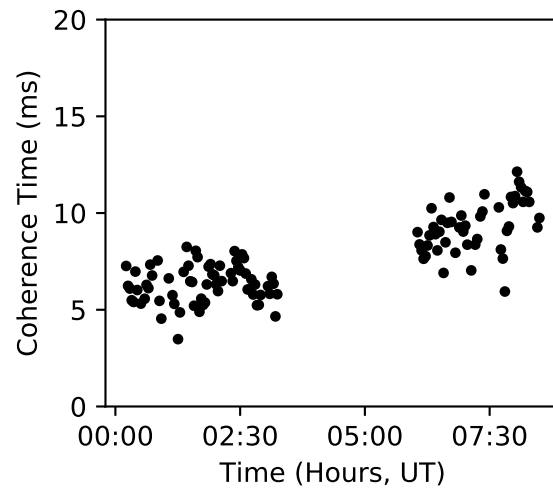
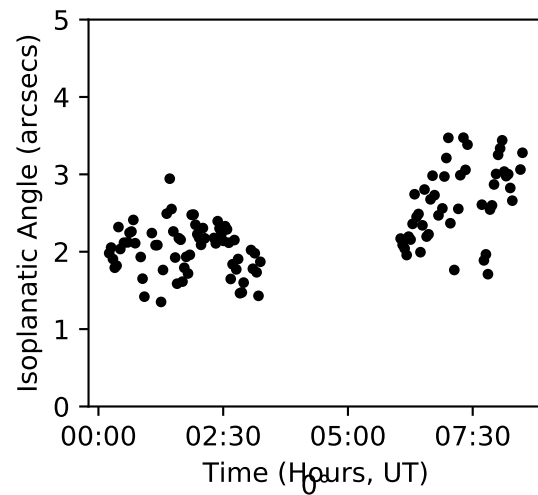
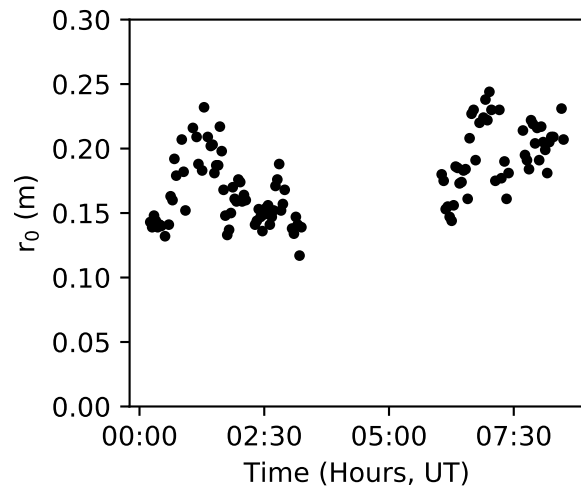
### 2017/12/14



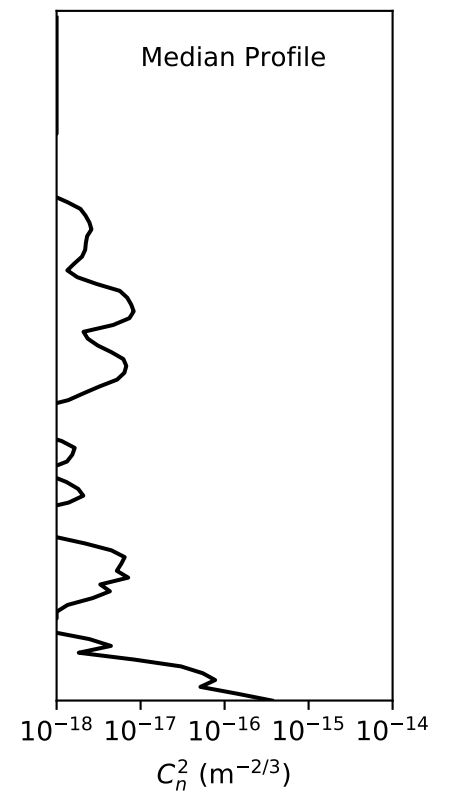
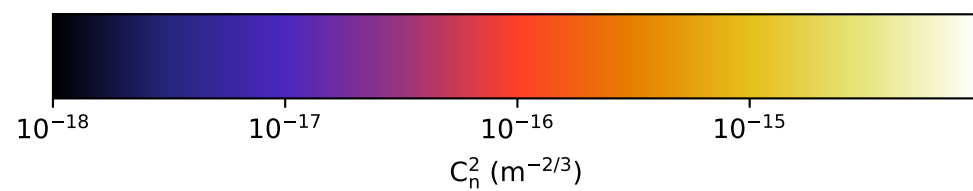
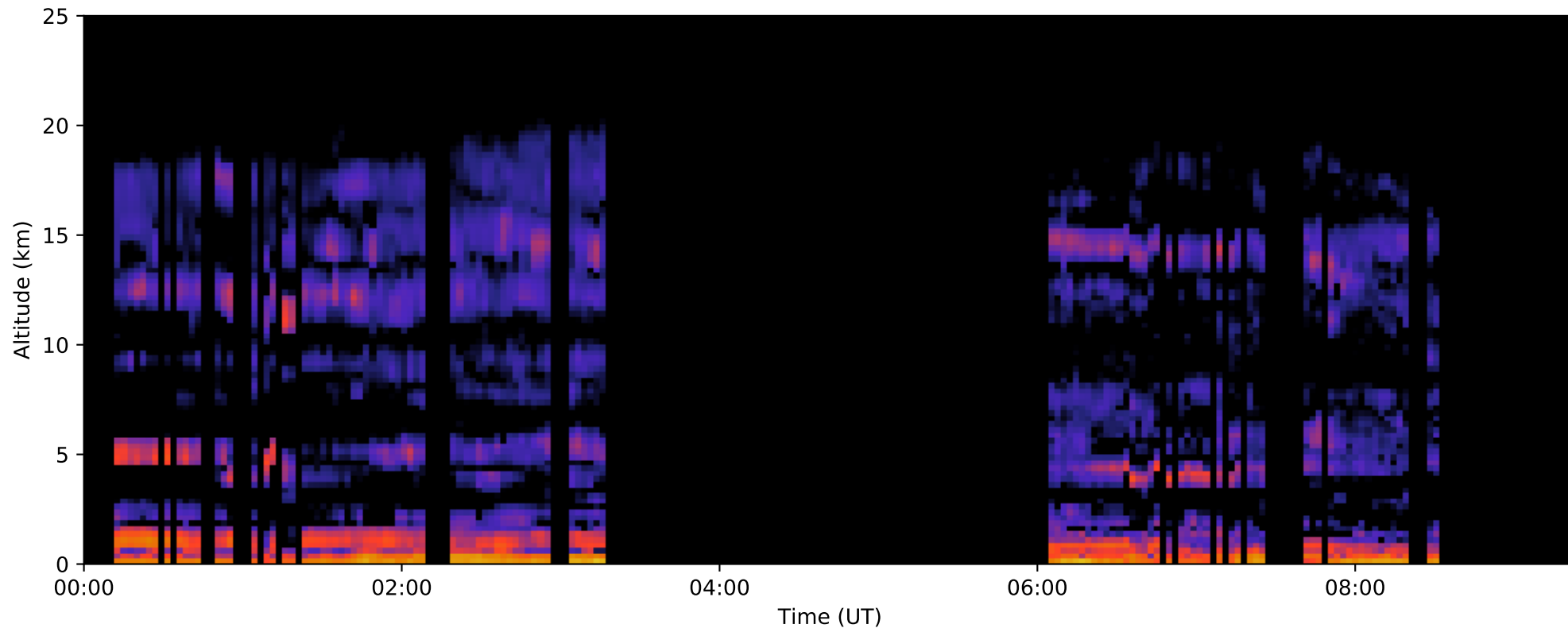


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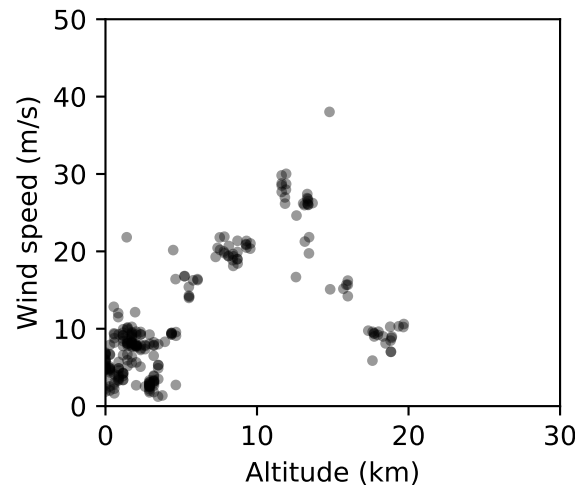
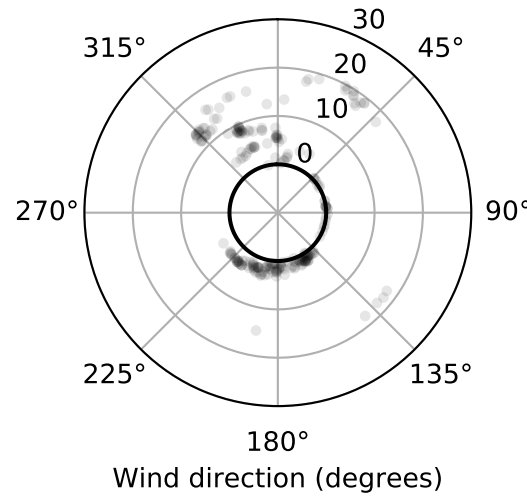
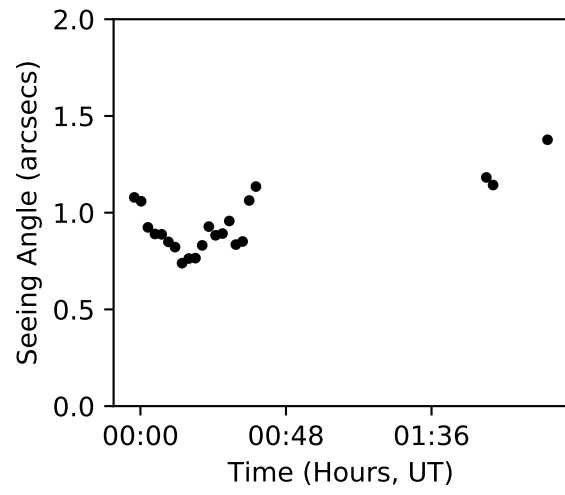
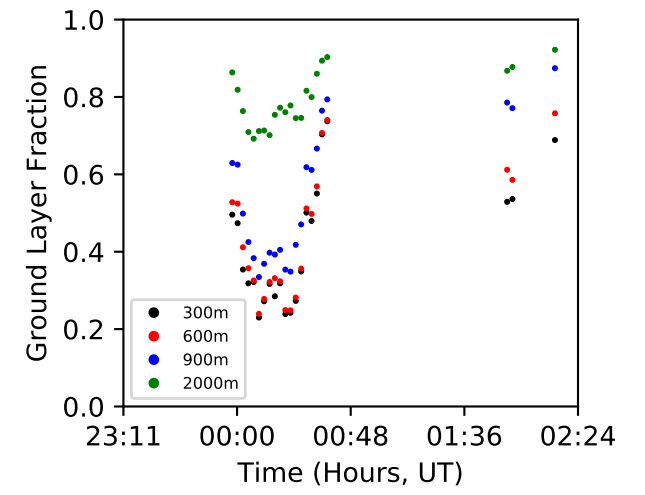
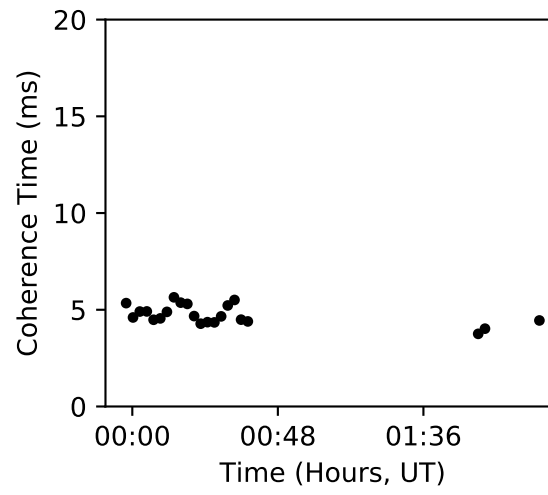
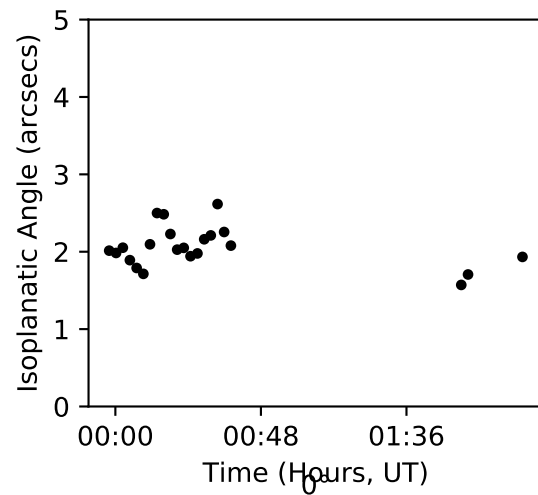
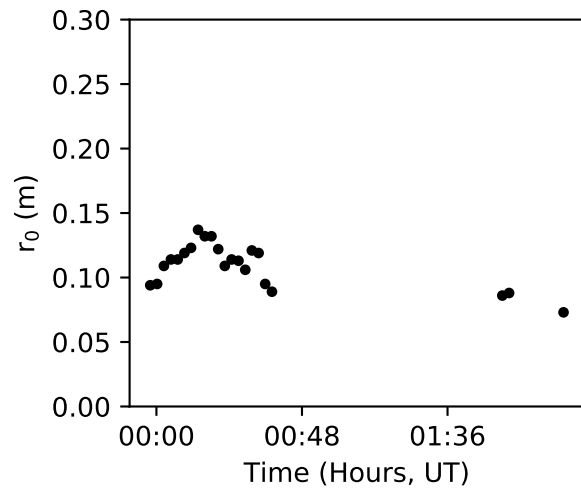




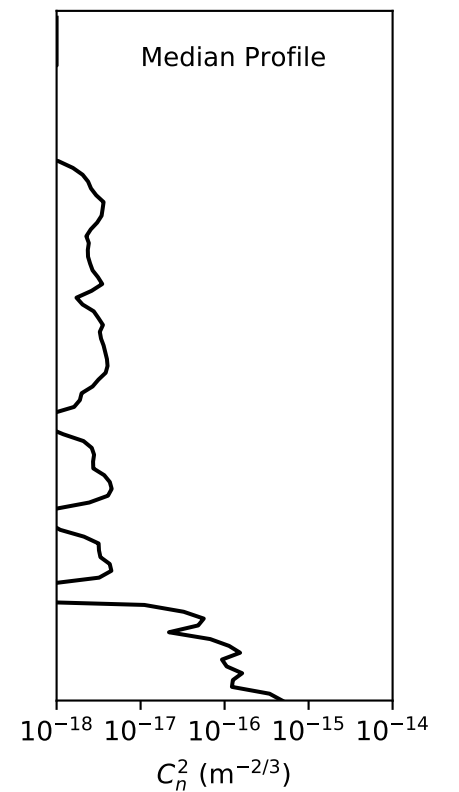
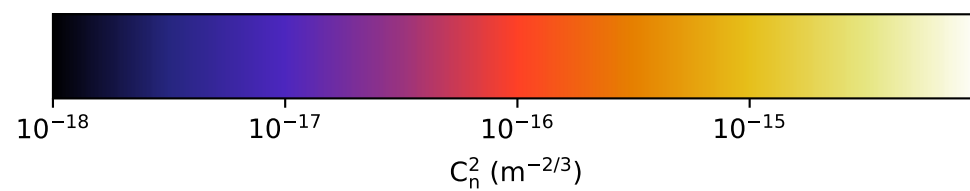
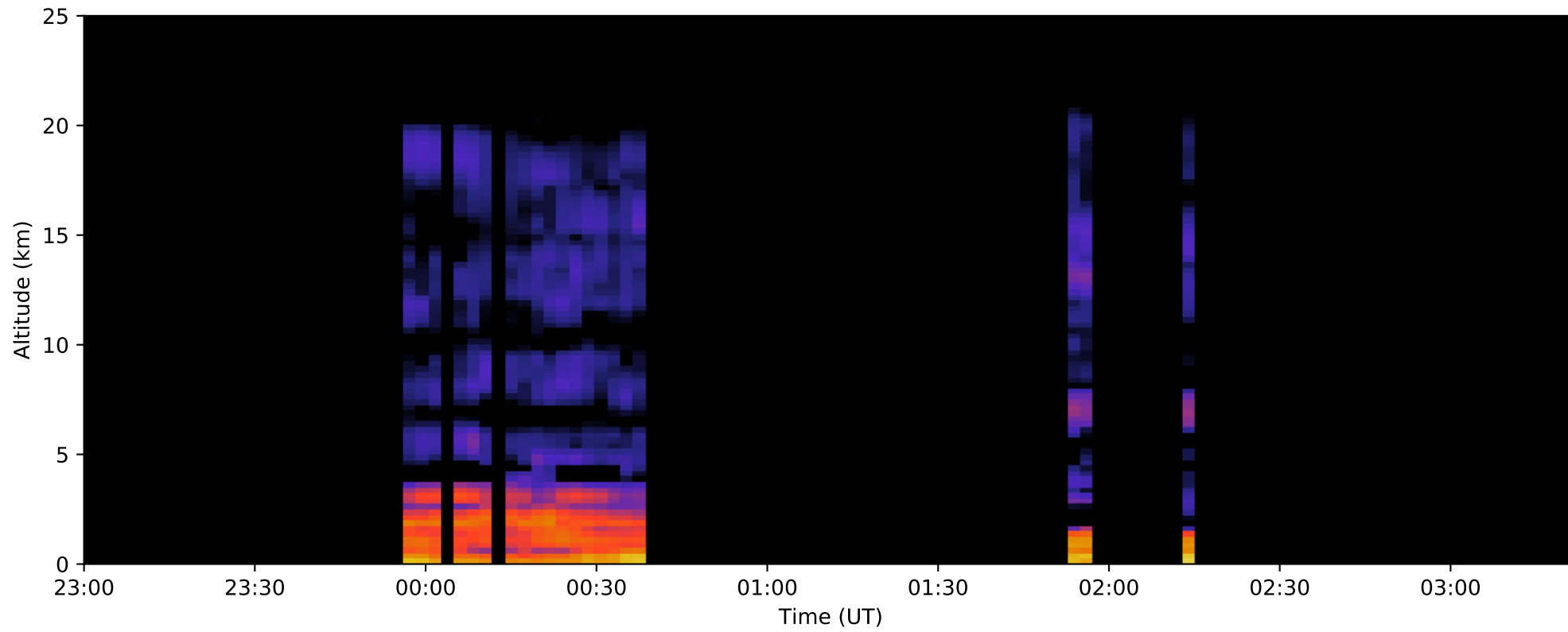
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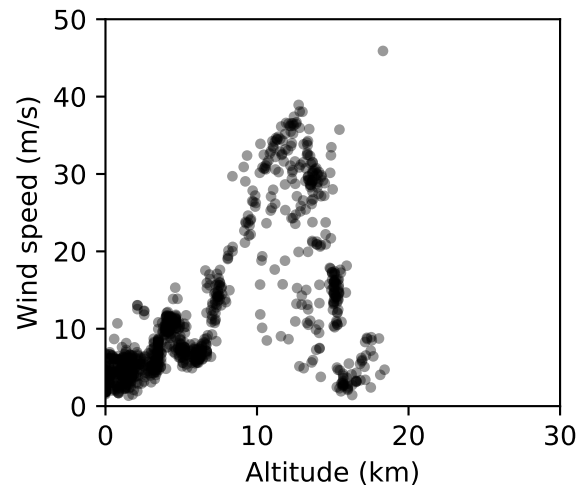
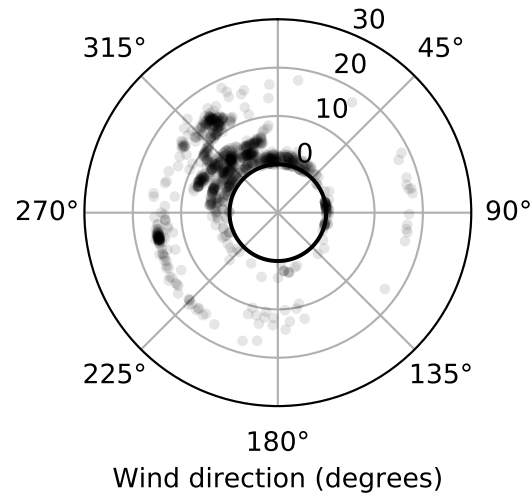
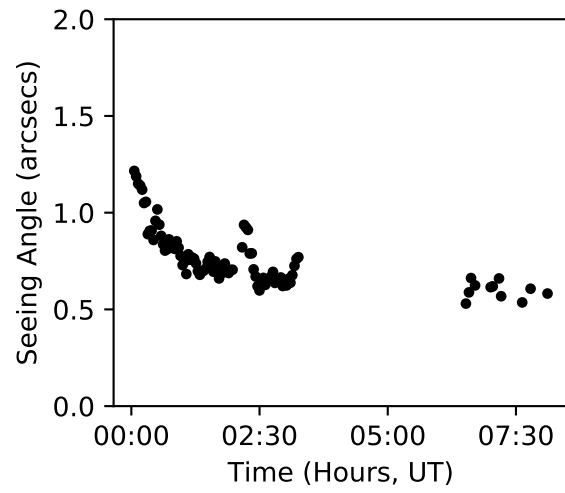
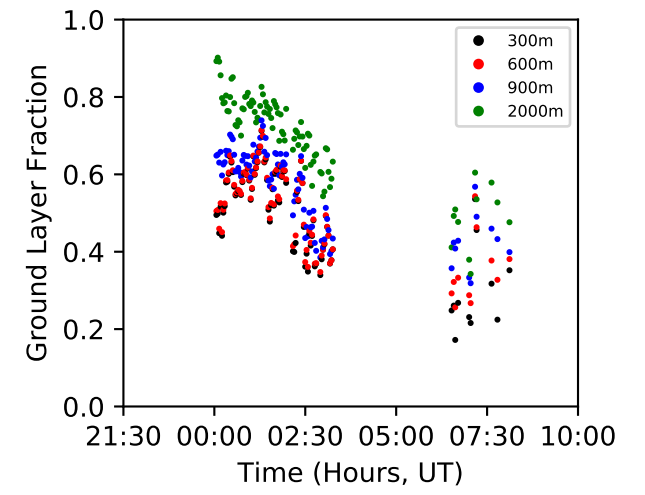
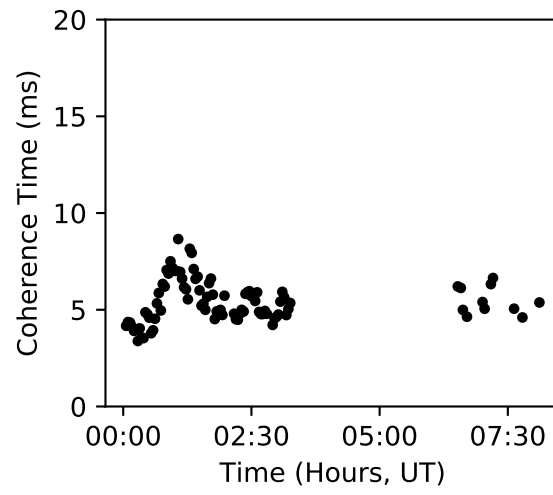
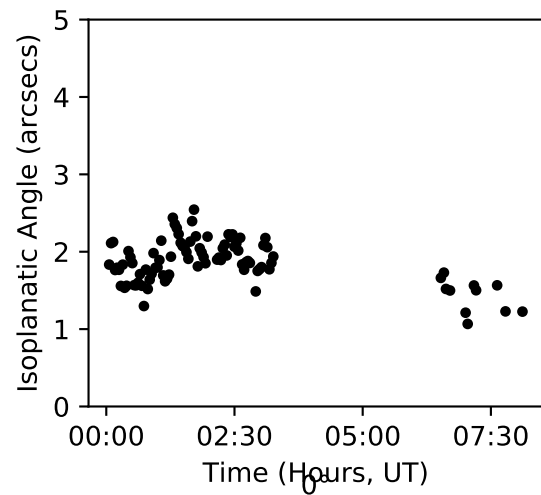
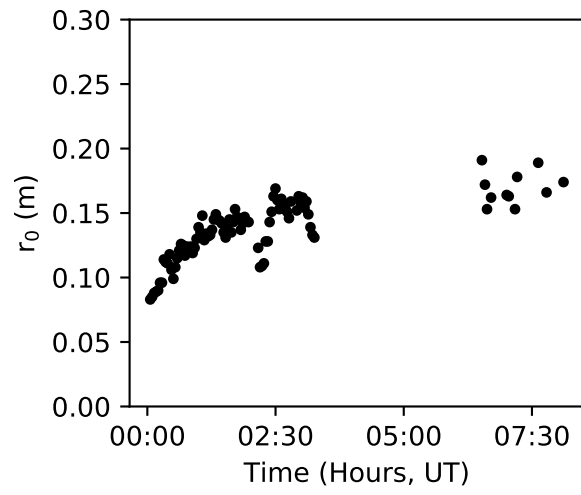






### 2017/12/17





### 2017/12/18

