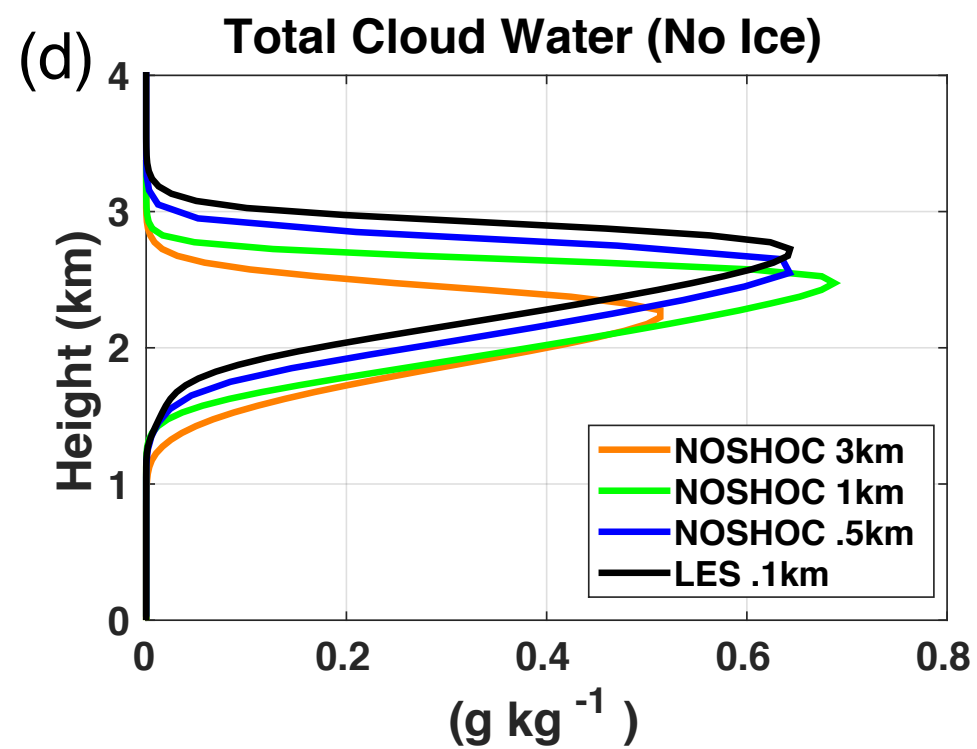
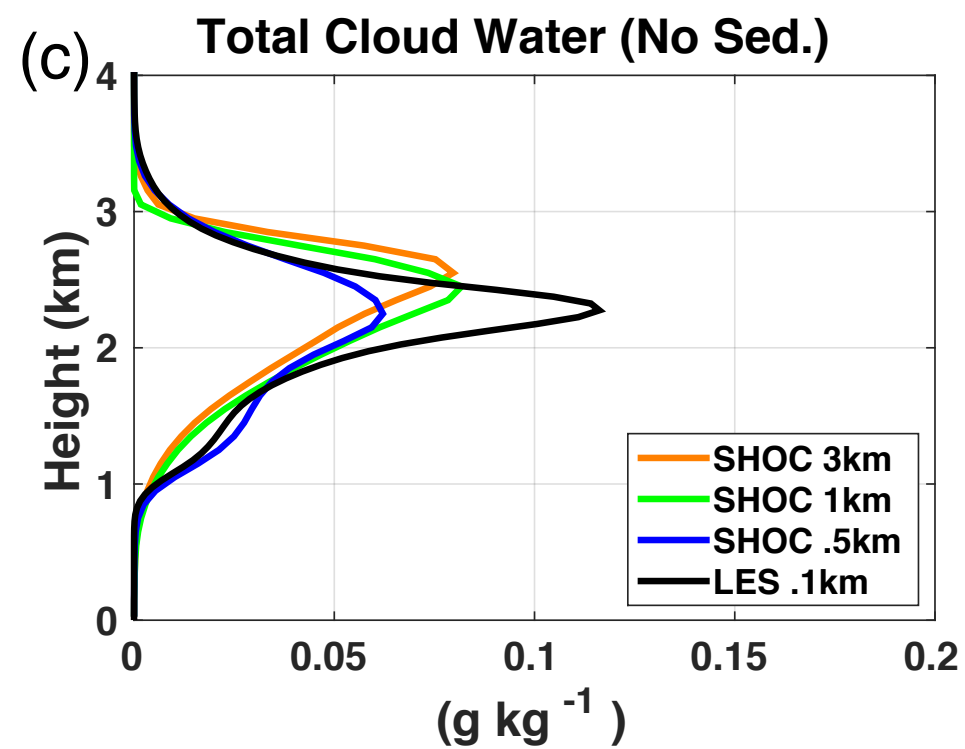
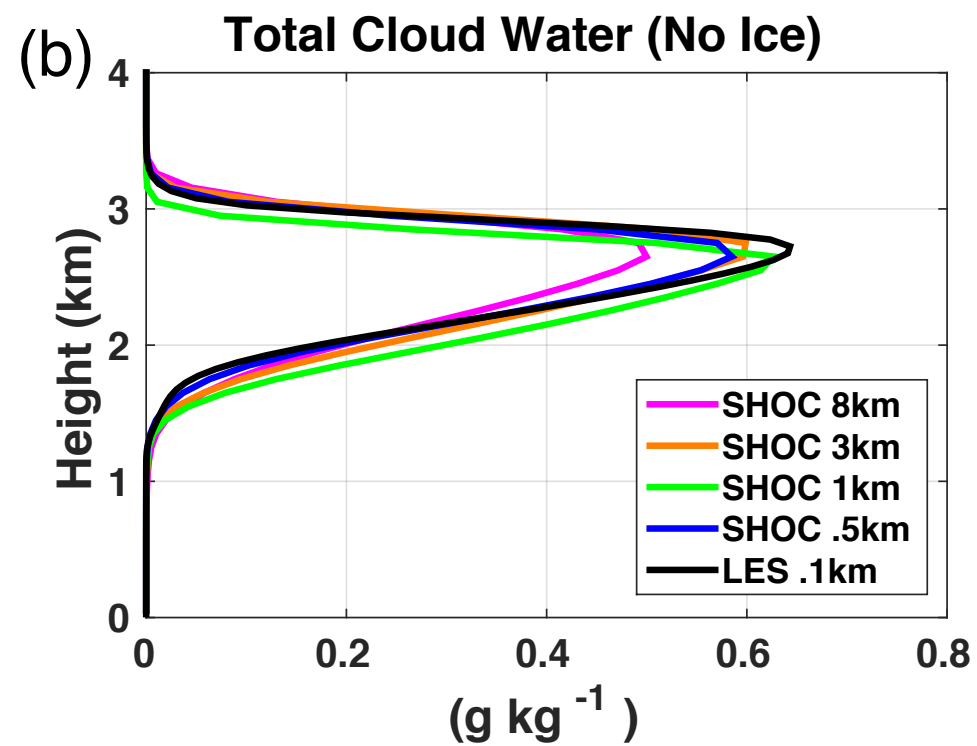
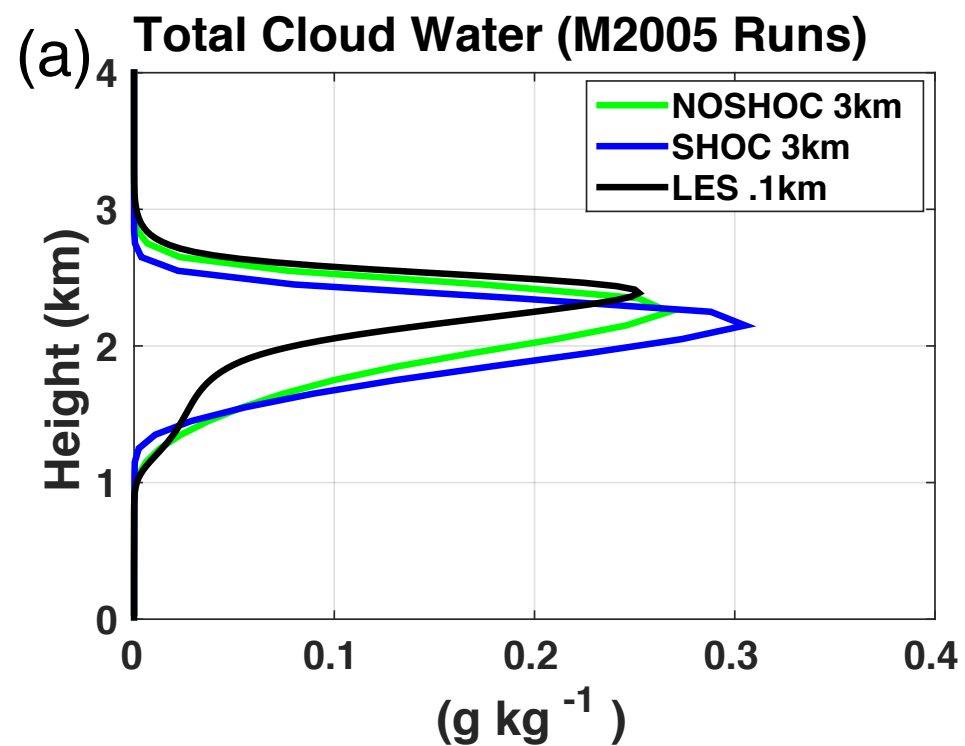
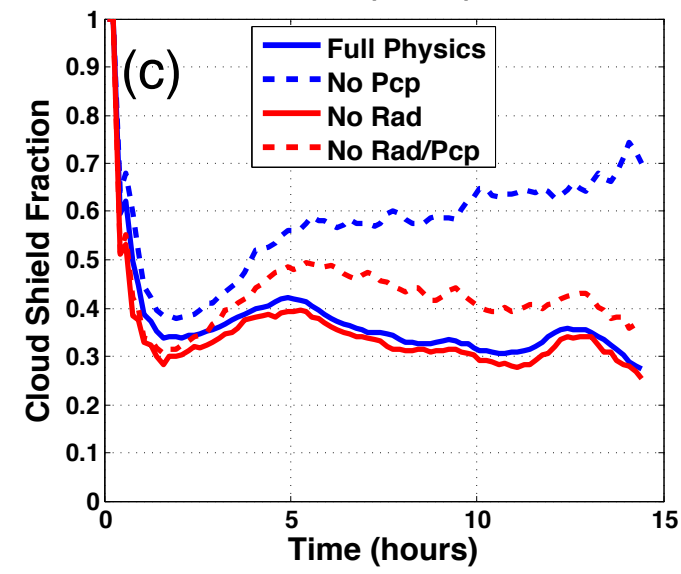
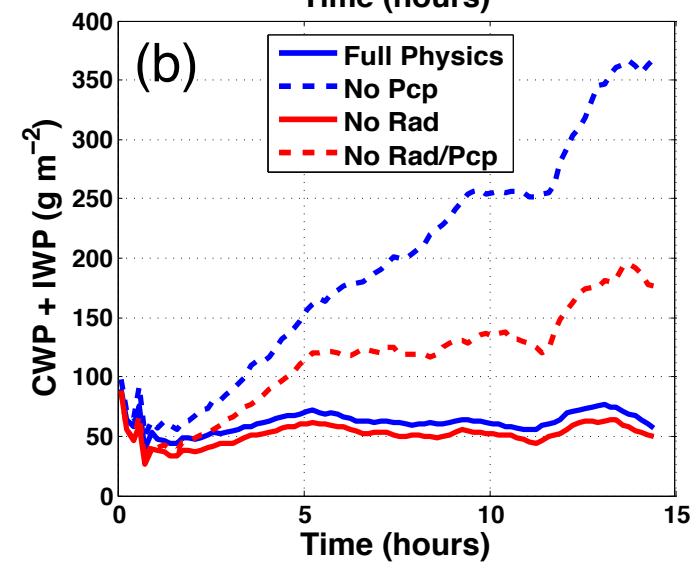
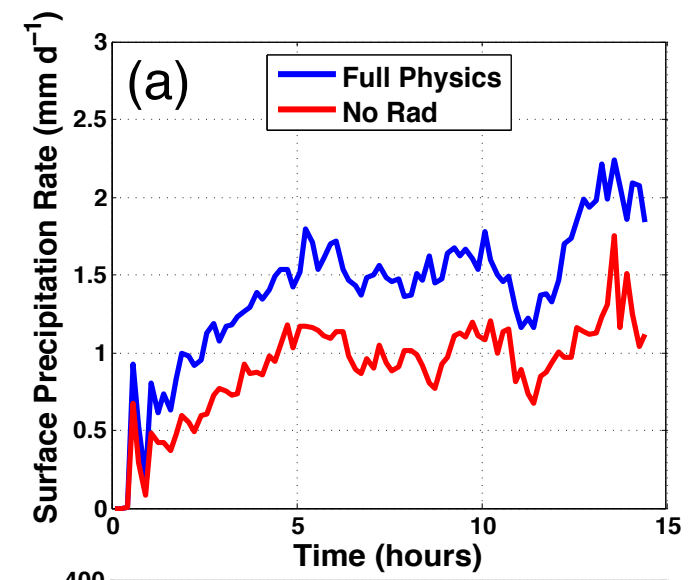


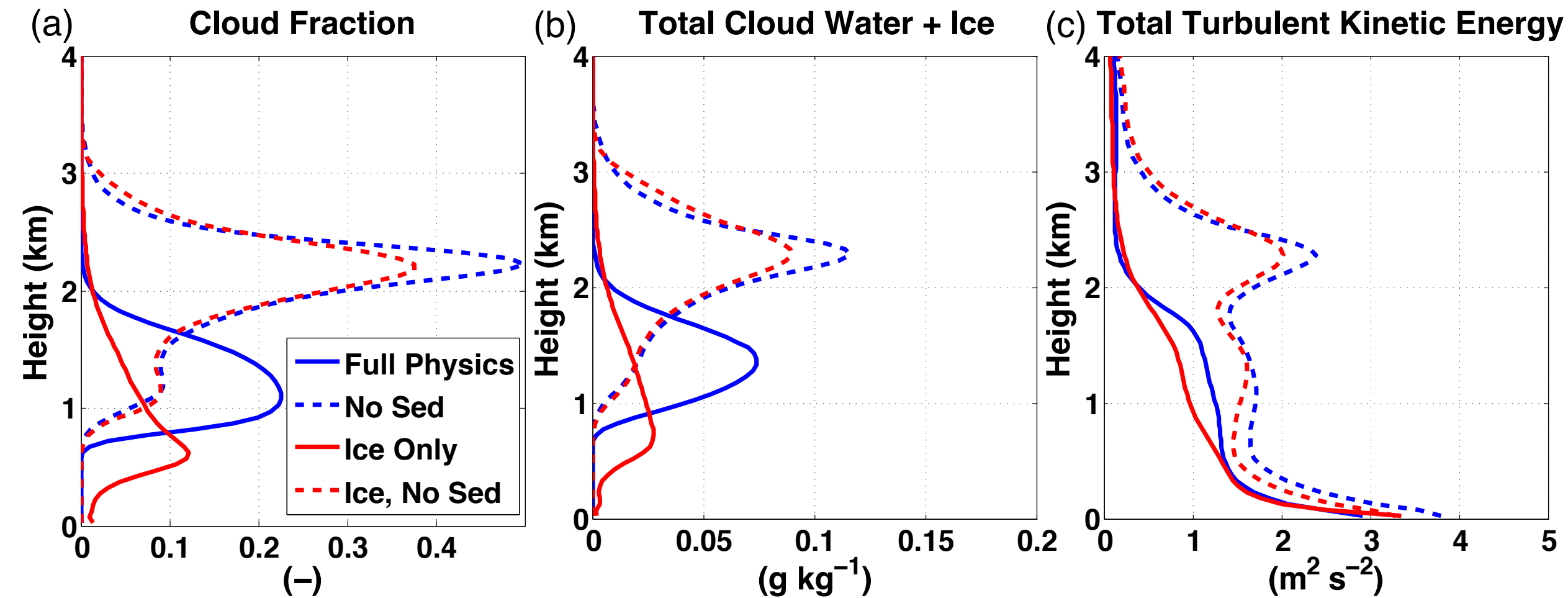
Constrain Figure Making Sources

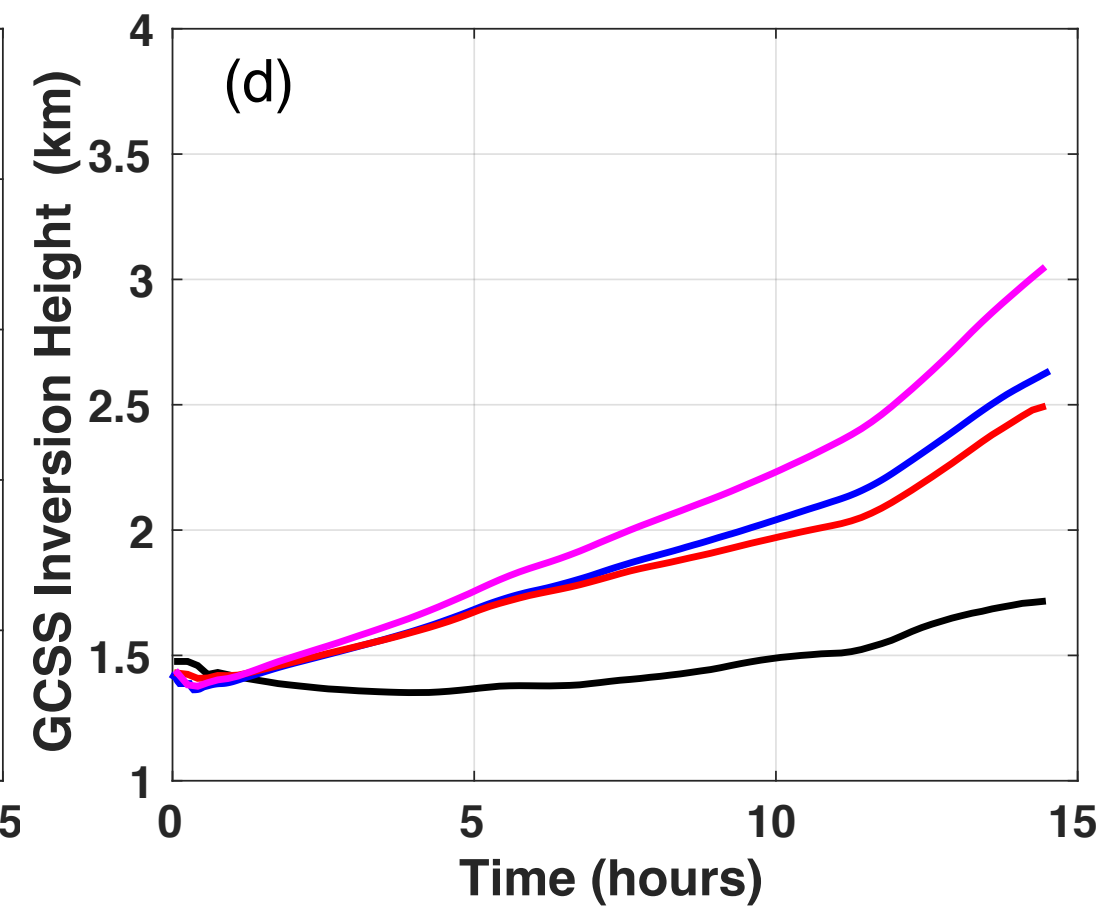
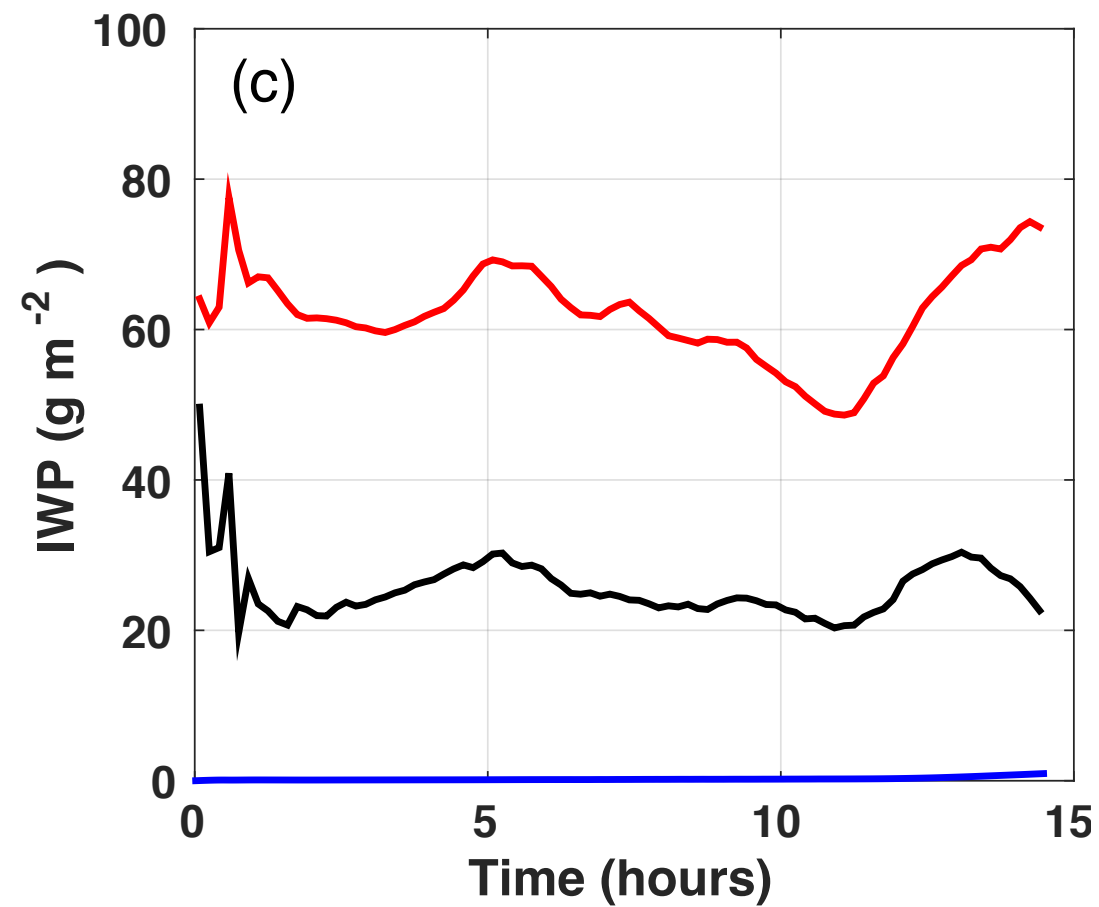
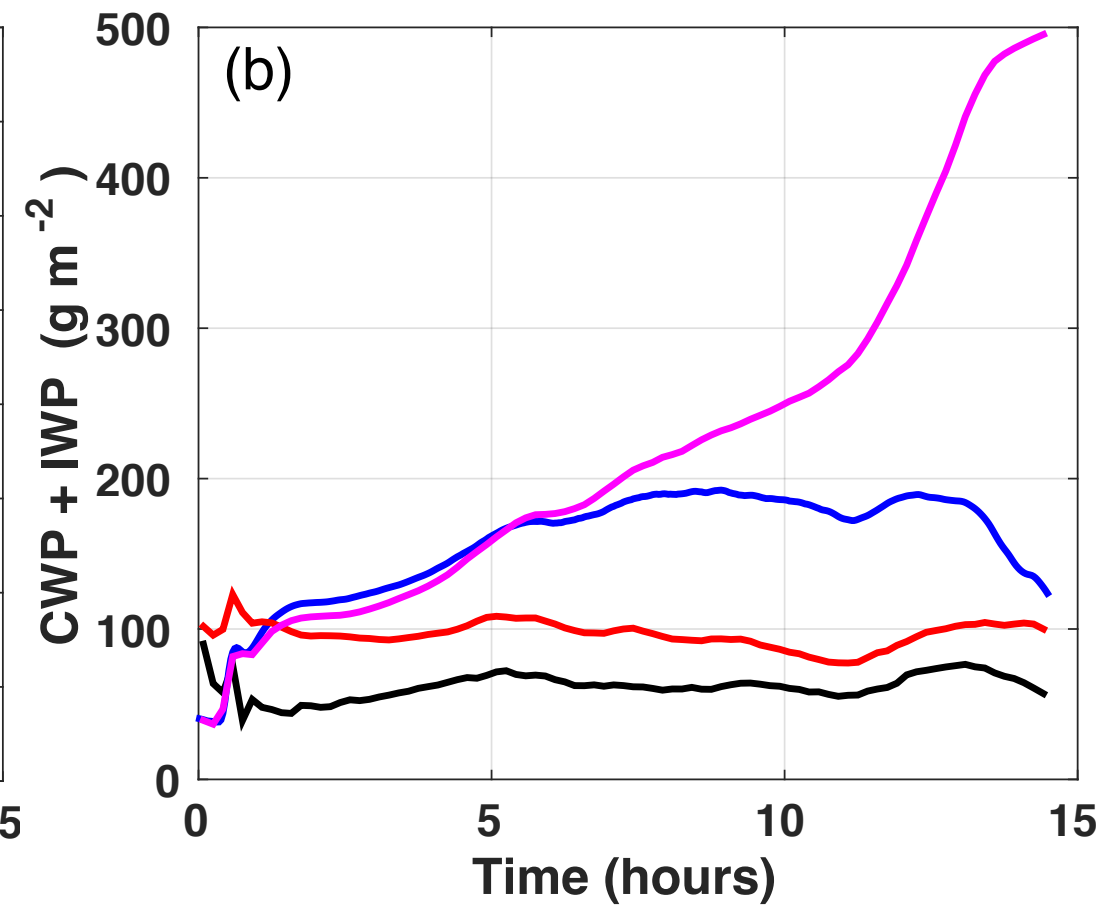
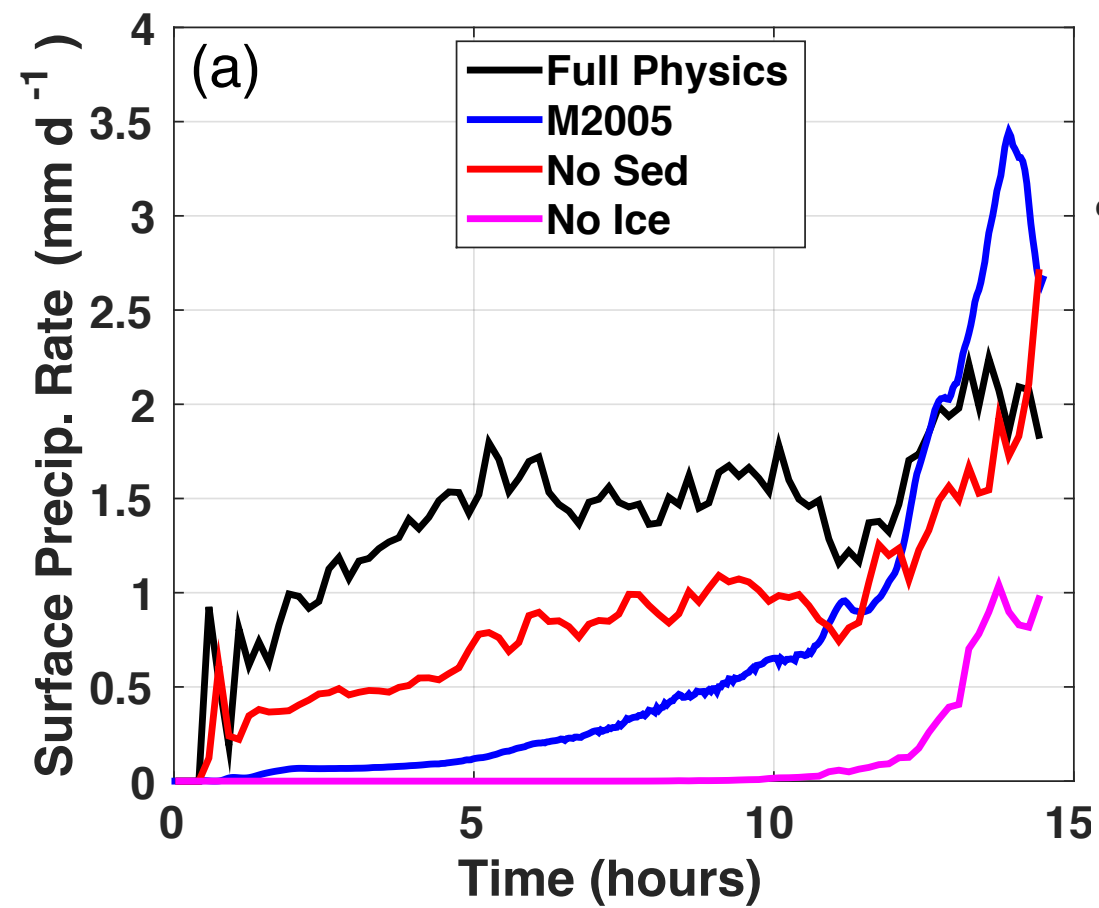
TABLE 1. CONSTRAIN simulations performed.

	SHOC						NOSHOC				
Grid Spacing	30km	8km	4km	3km	1km	.5km	.1km	.5km	1km	3km	30km
Full Physics	x			x	x	x	x	x	x	x	x
No Precip.					x	x	x				
No Rad.	x			x	x	x	x	x	x	x	
No Rad./Prec.							x				
No Ice	x	x		x	x	x	x				
Ice Only	x			x	x	x	x				
No Sed.				x	x	x	x				
No Ice/Sed./Prec.		x	x		x		x				
M2005				x			x			x	





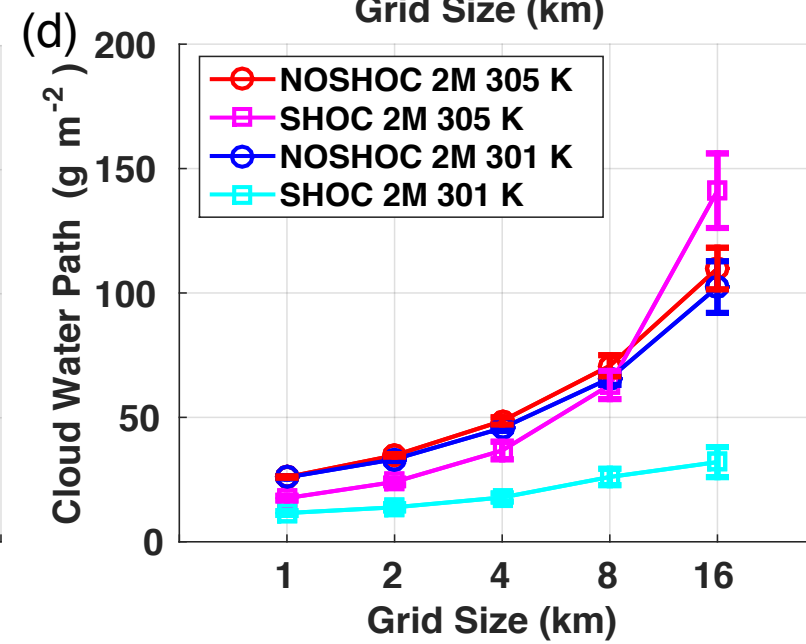
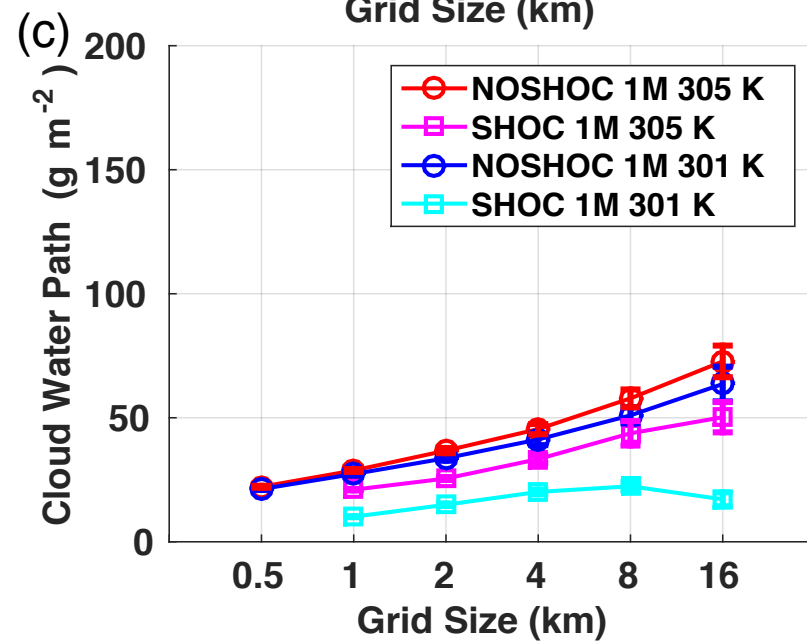
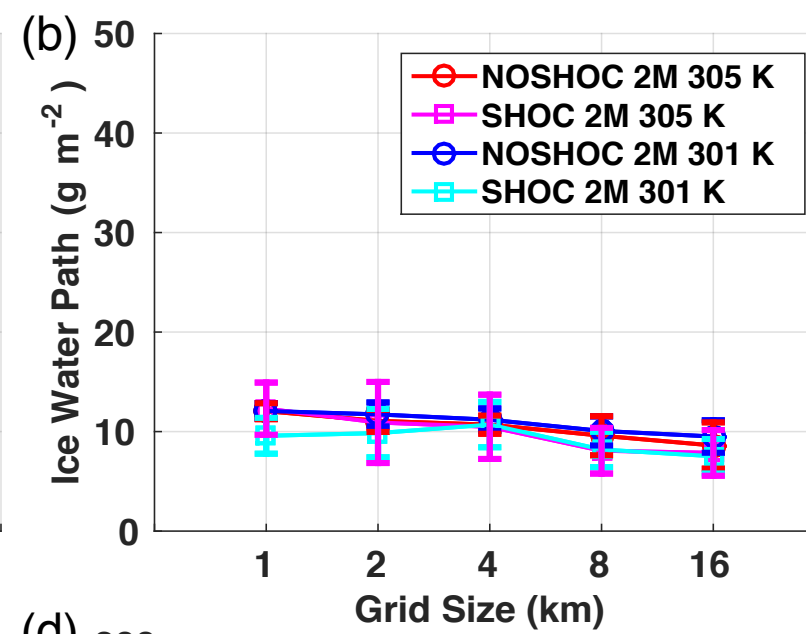
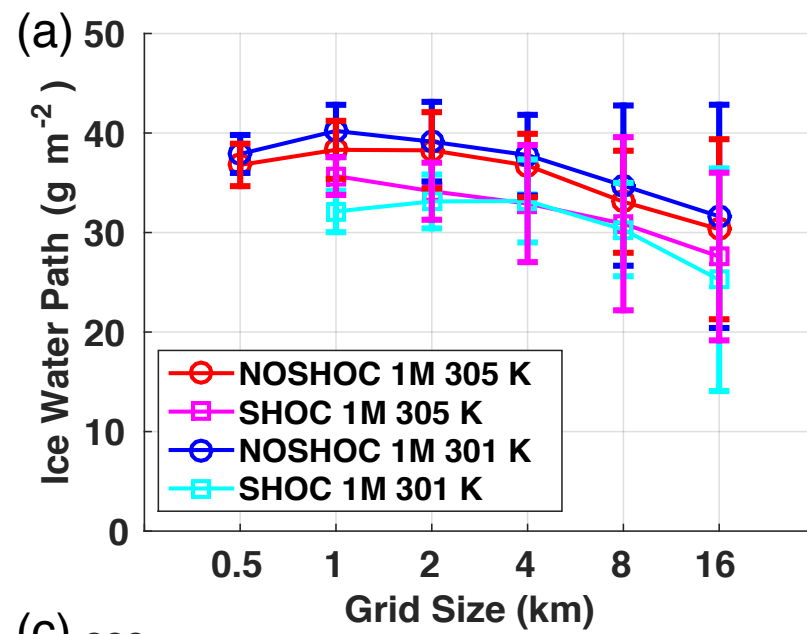


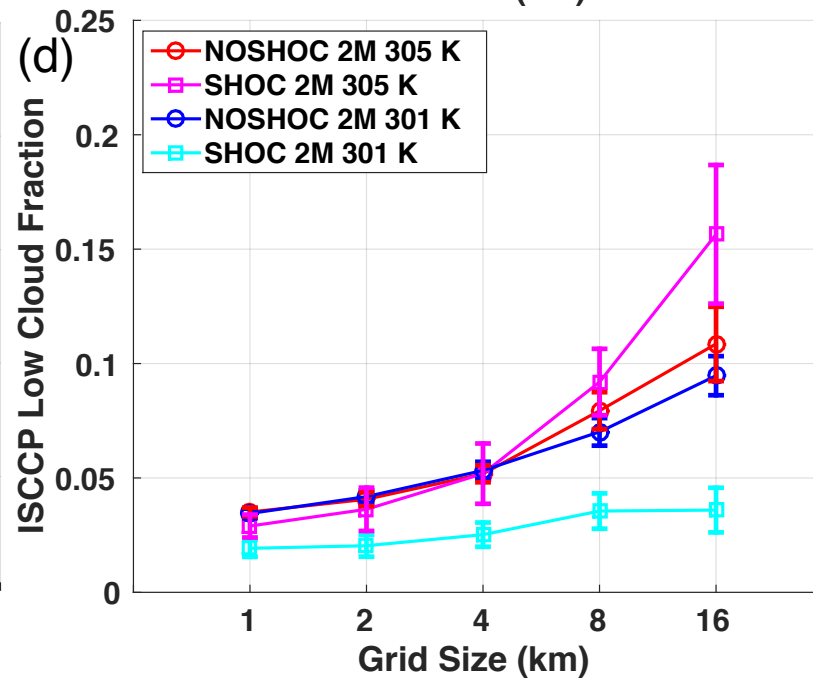
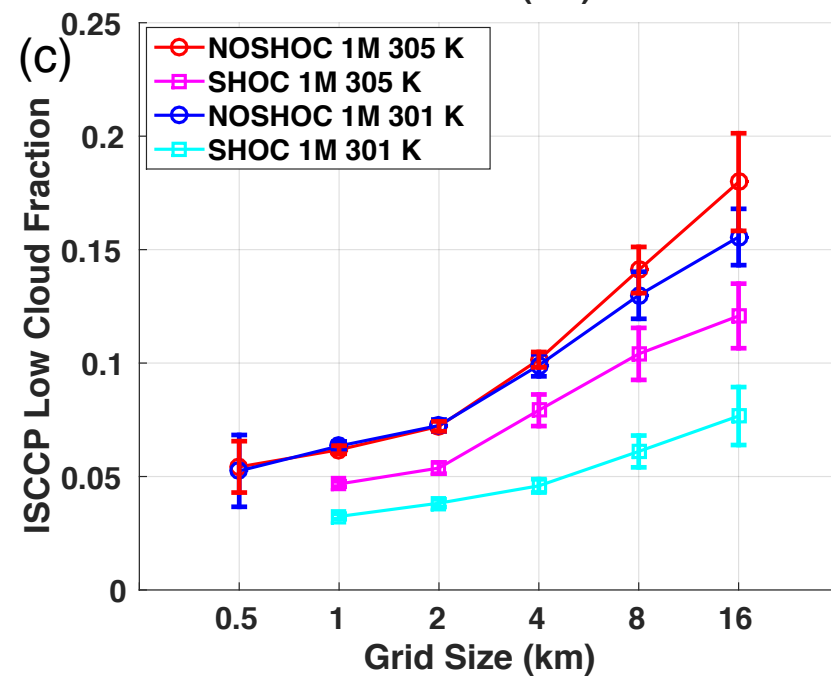
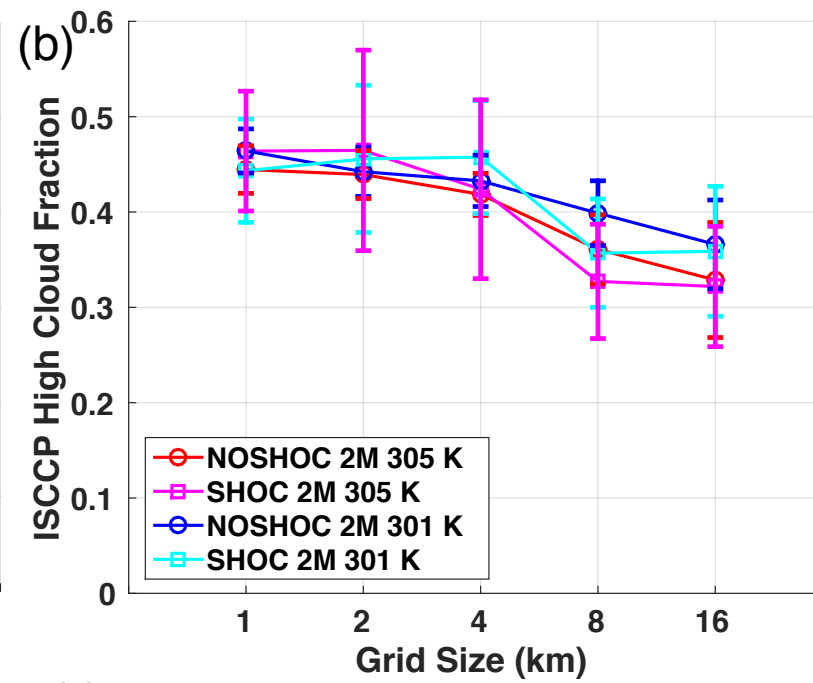
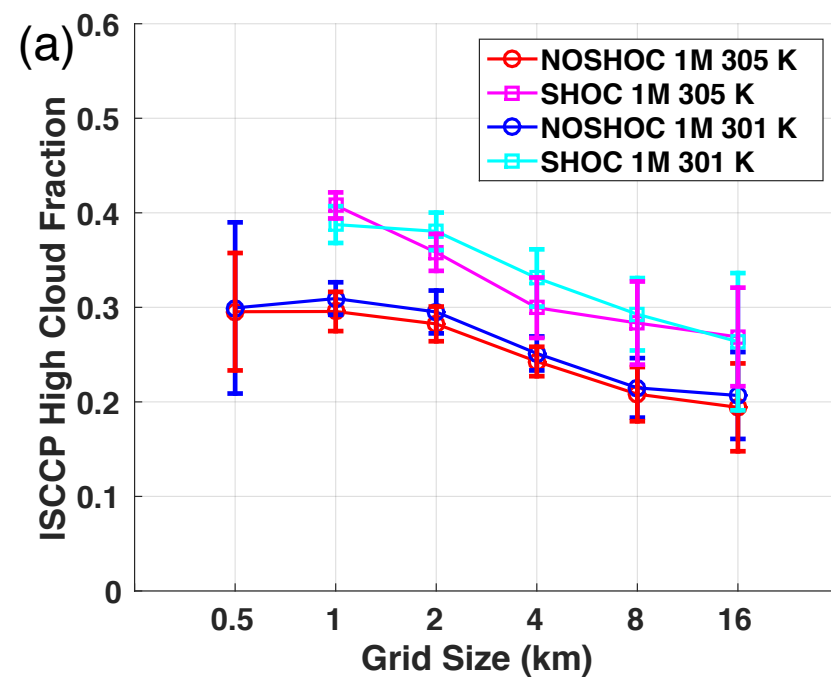


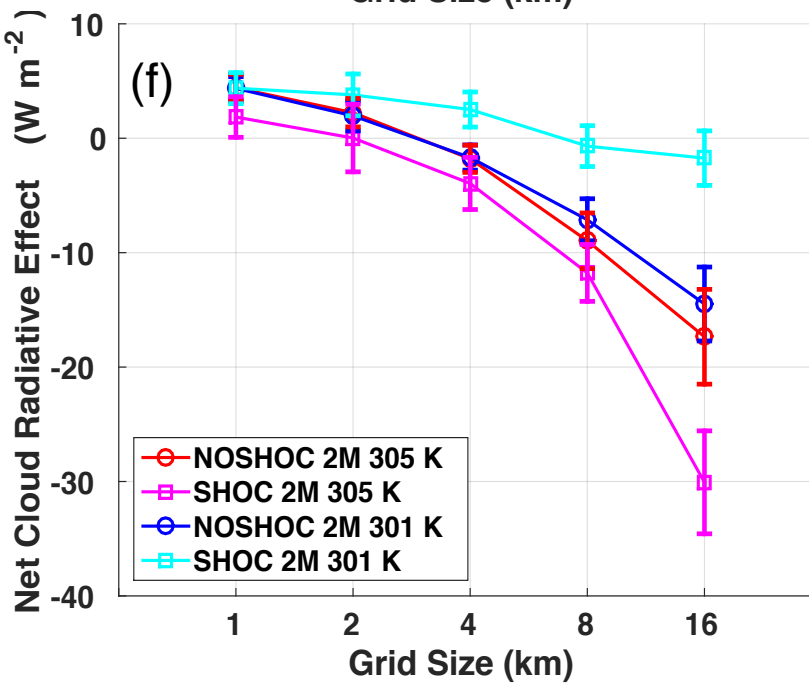
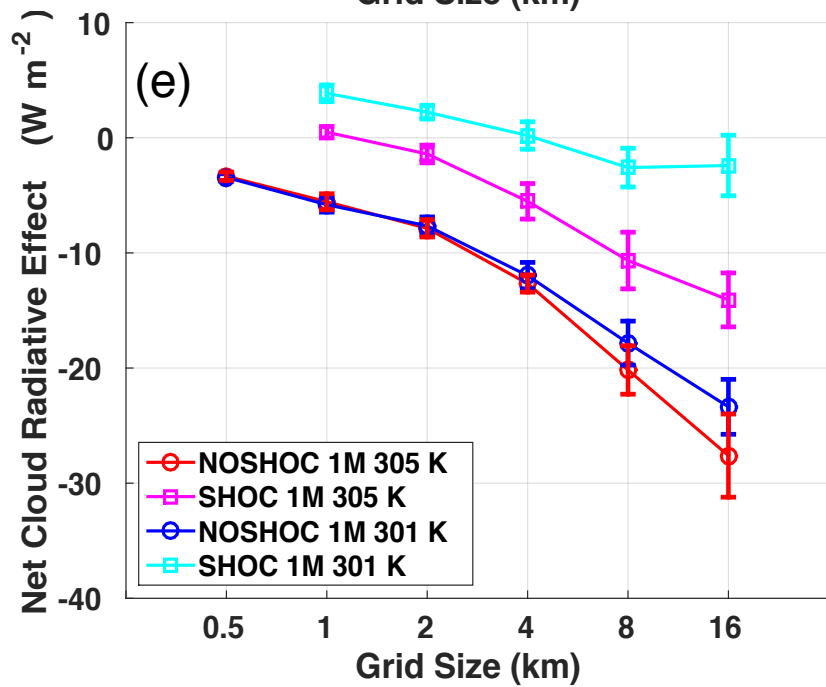
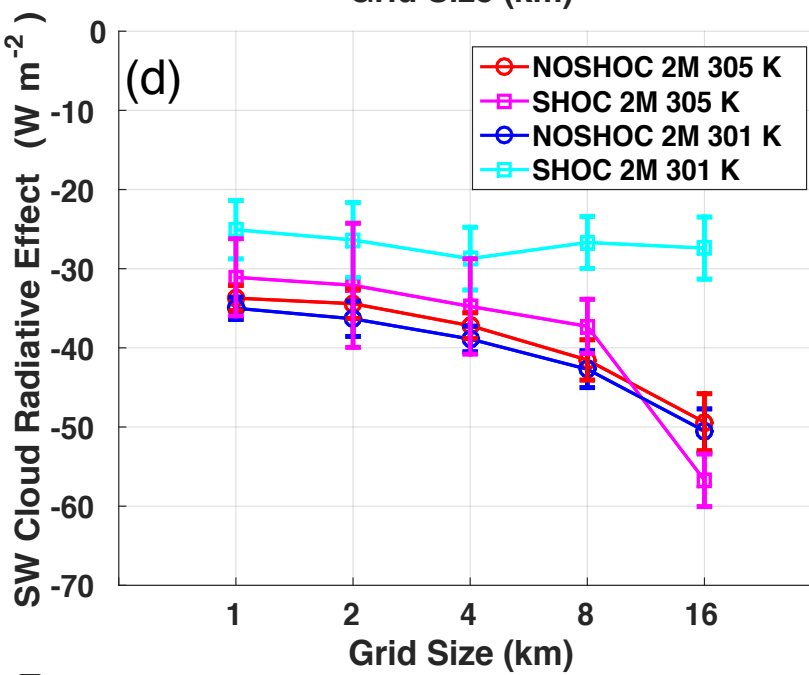
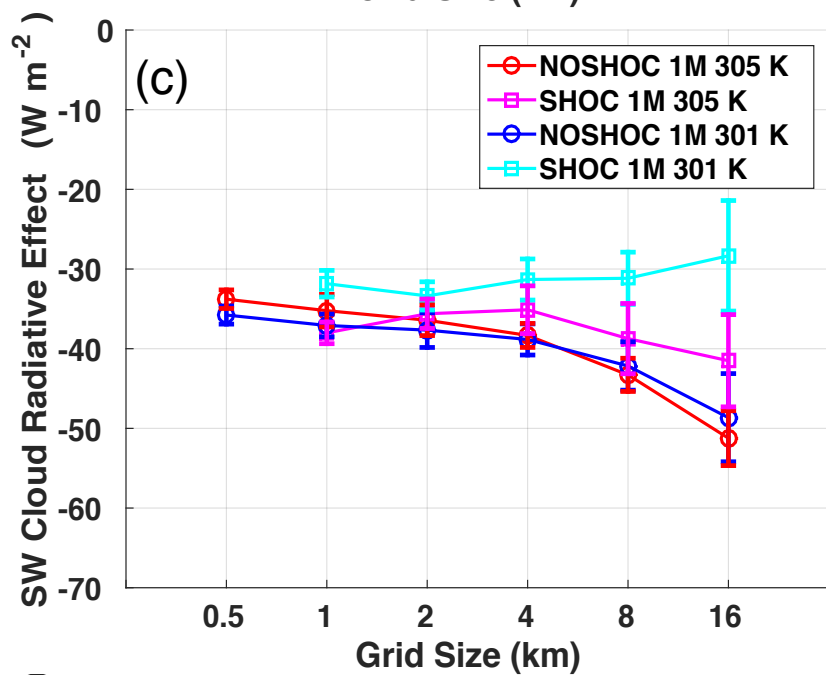
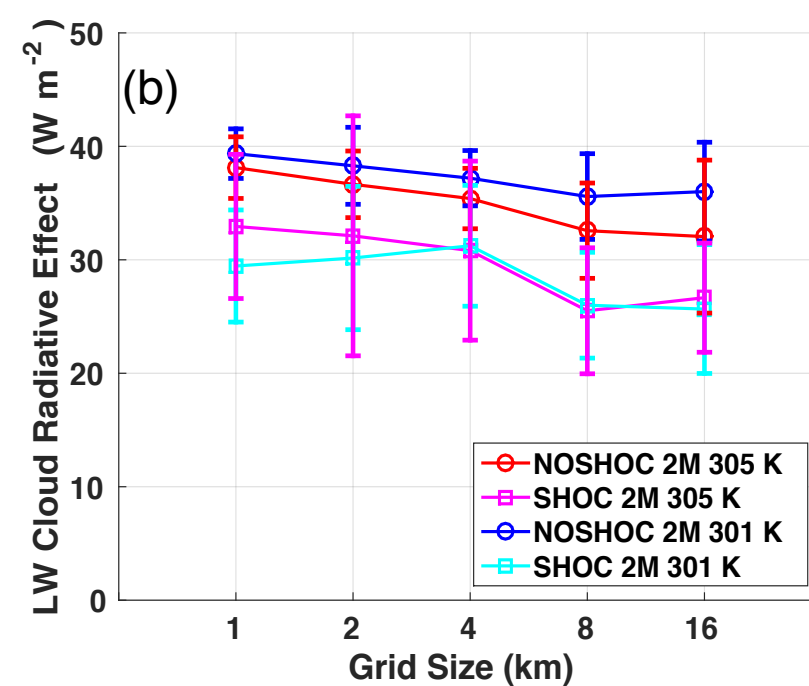
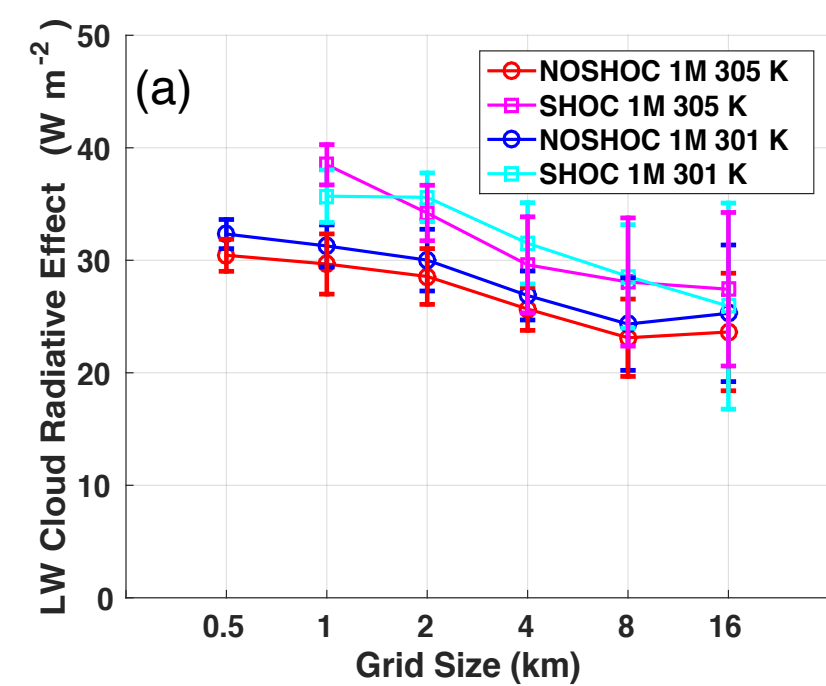
RCE Figure Making Sources

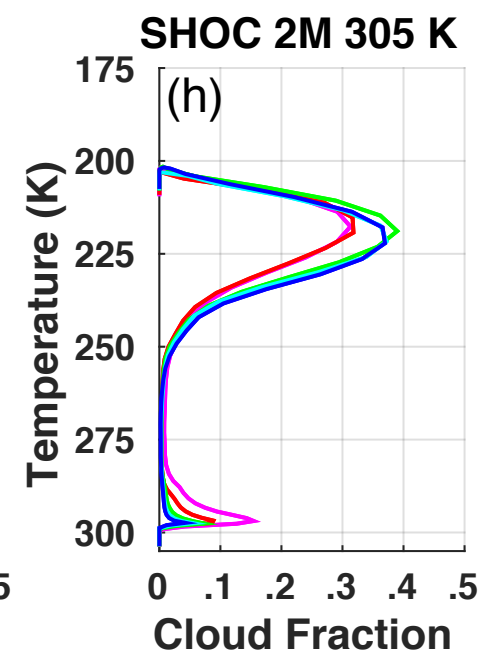
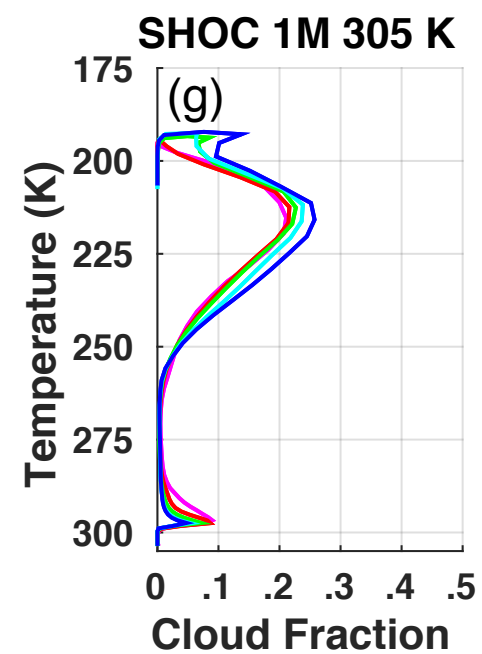
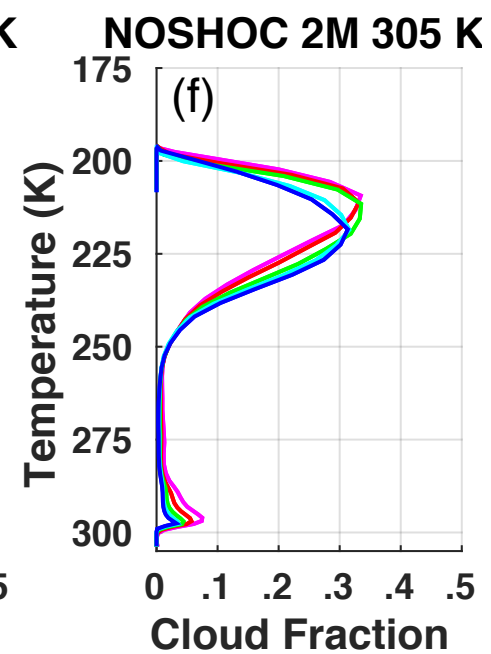
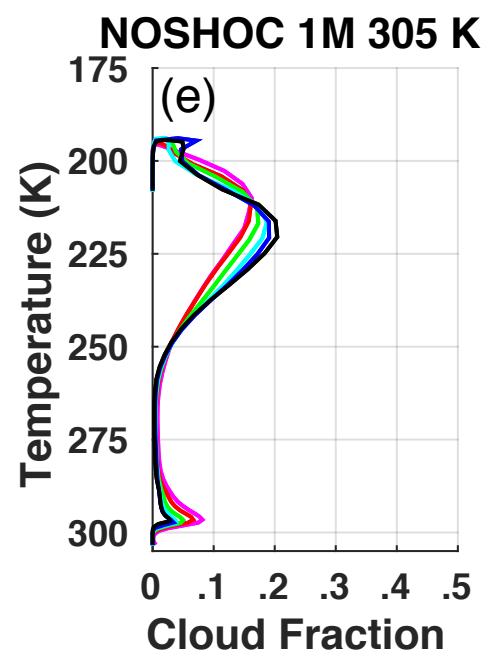
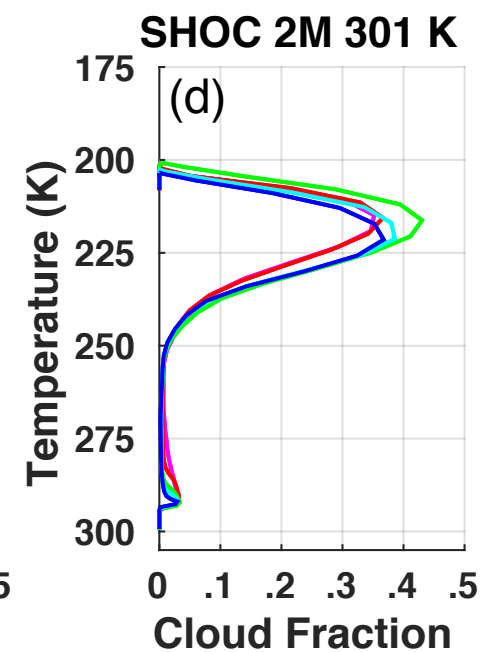
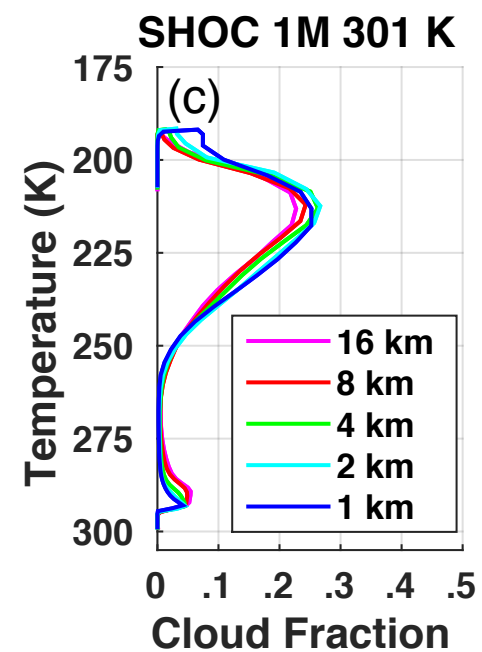
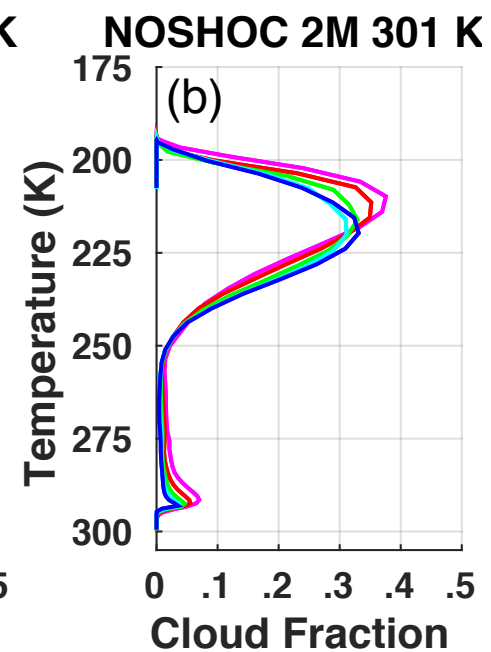
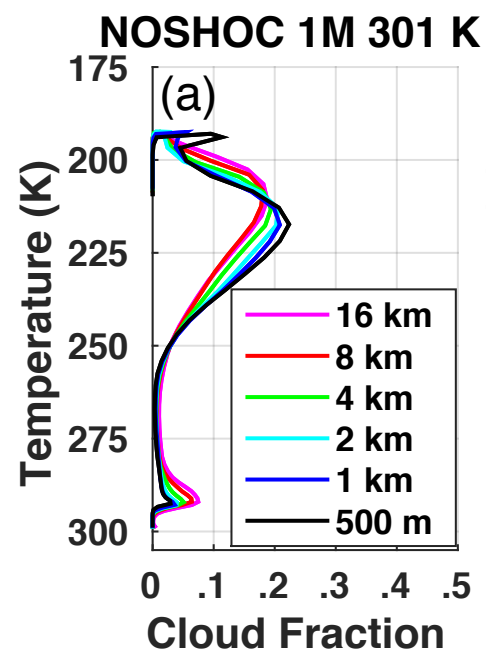
TABLE 1. RCE simulations performed.

RCE Run Setup			Grid Spacing (km)					
SST	Microphys.	Turb.	16	8	4	2	1	0.5
301 K	1M	NOSHOC	256	256	256	256	256	256
		SHOC	128	128	128	128	128	N/A
	2M	NOSHOC	256	256	256	256	256	N/A
		SHOC	128	128	64	64	64	N/A
305 K	1M	NOSHOC	256	256	256	256	256	256
		SHOC	128	128	128	256	256	N/A
	2M	NOSHOC	256	256	256	256	256	N/A
		SHOC	128	128	64	64	64	N/A
			Domain Size (km)					









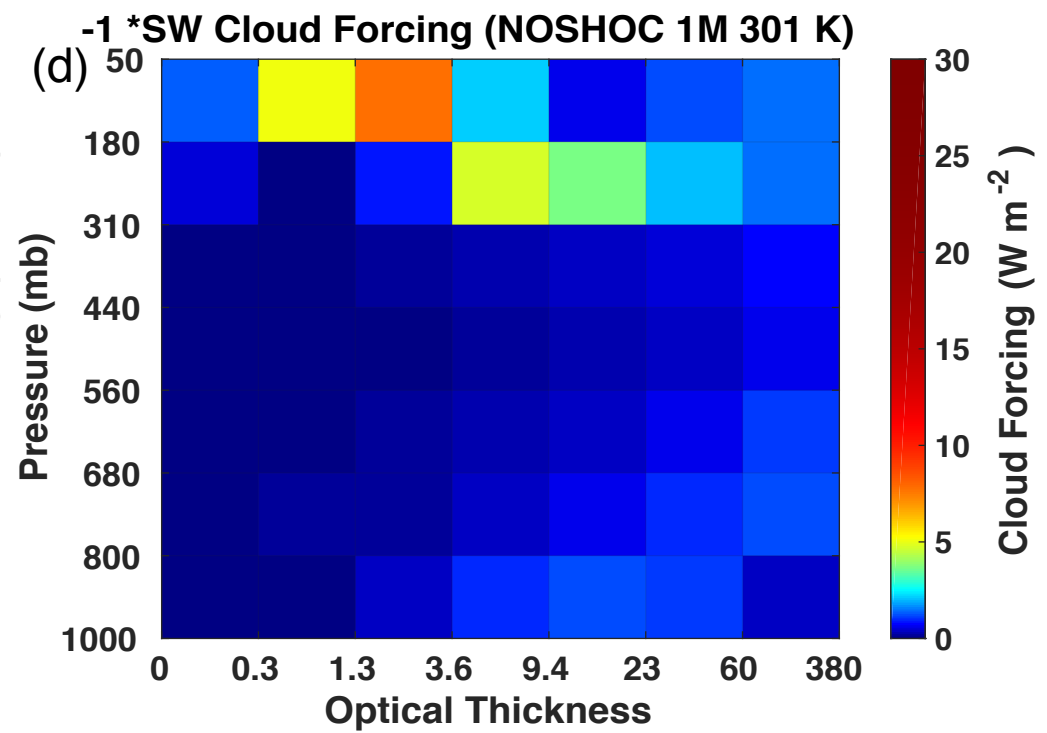
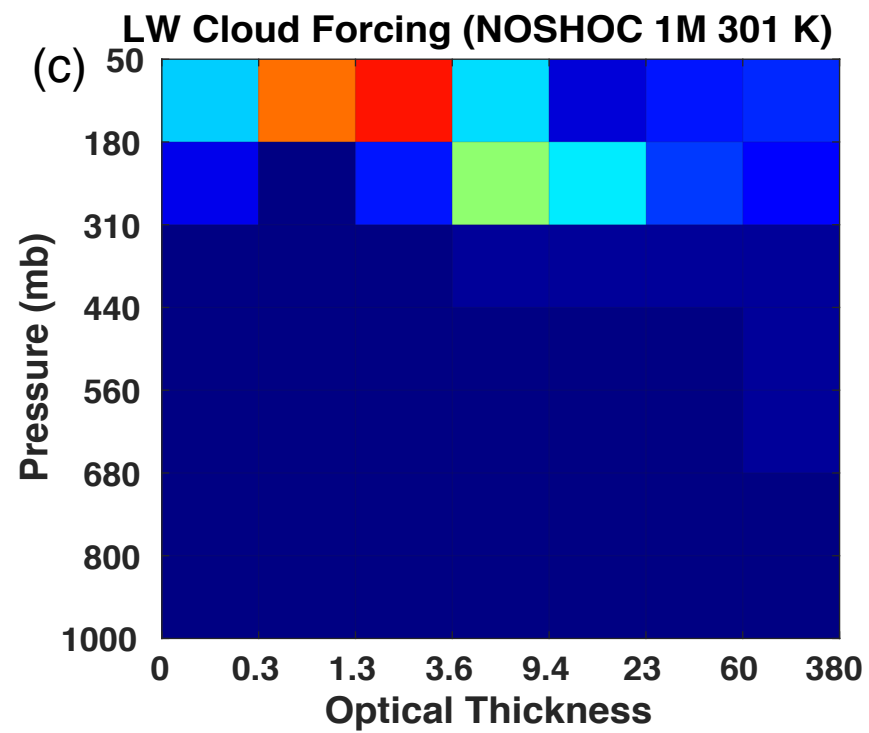
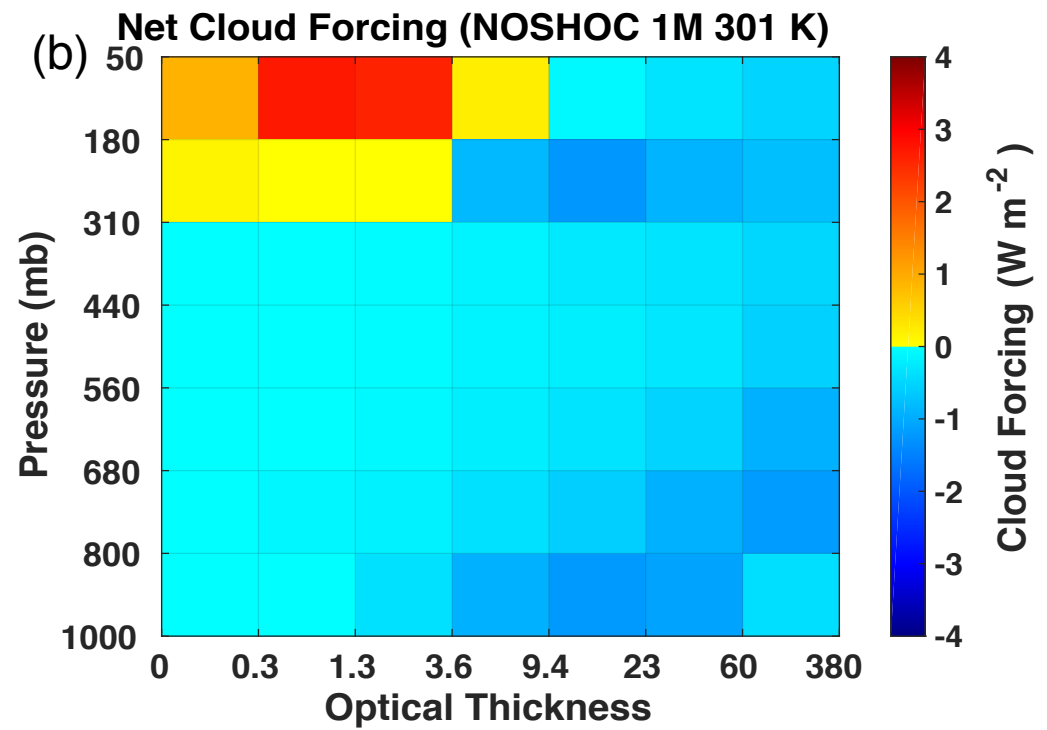
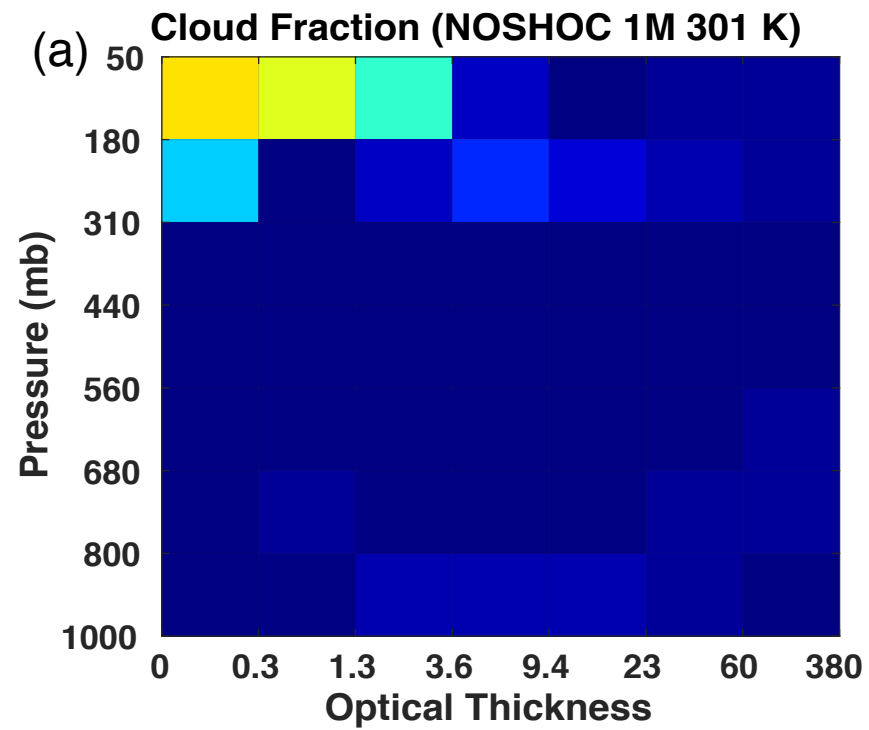
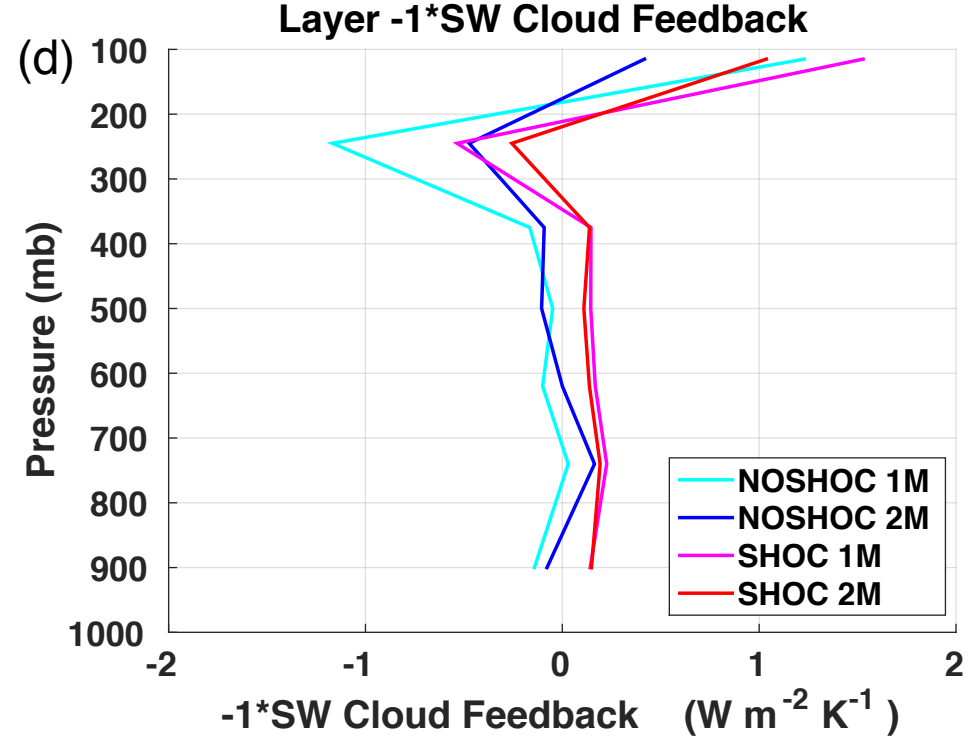
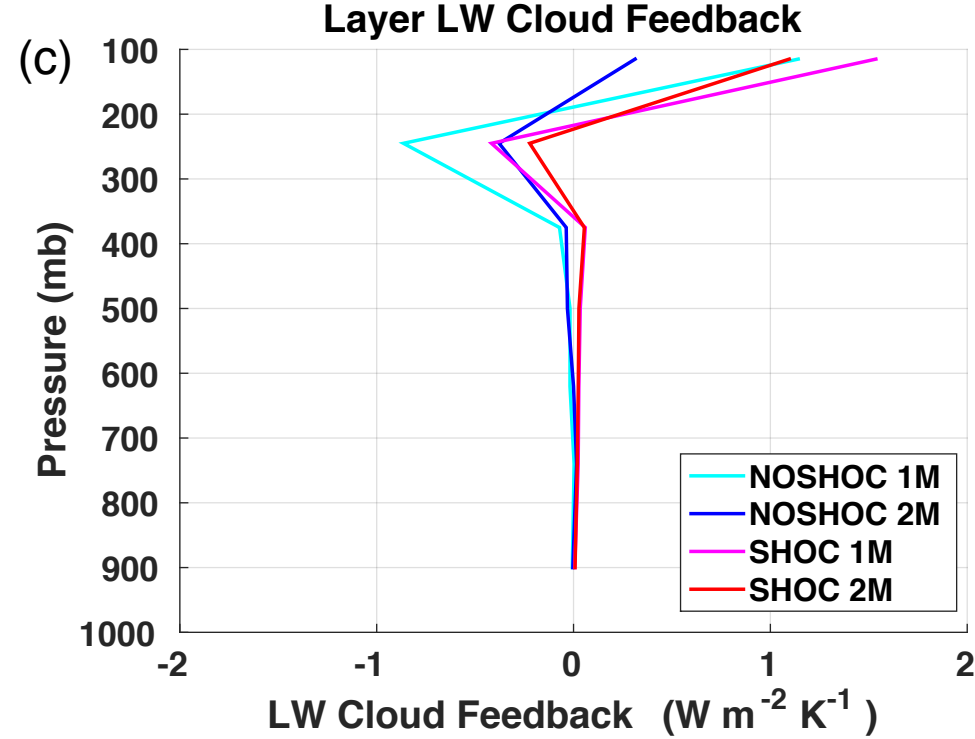
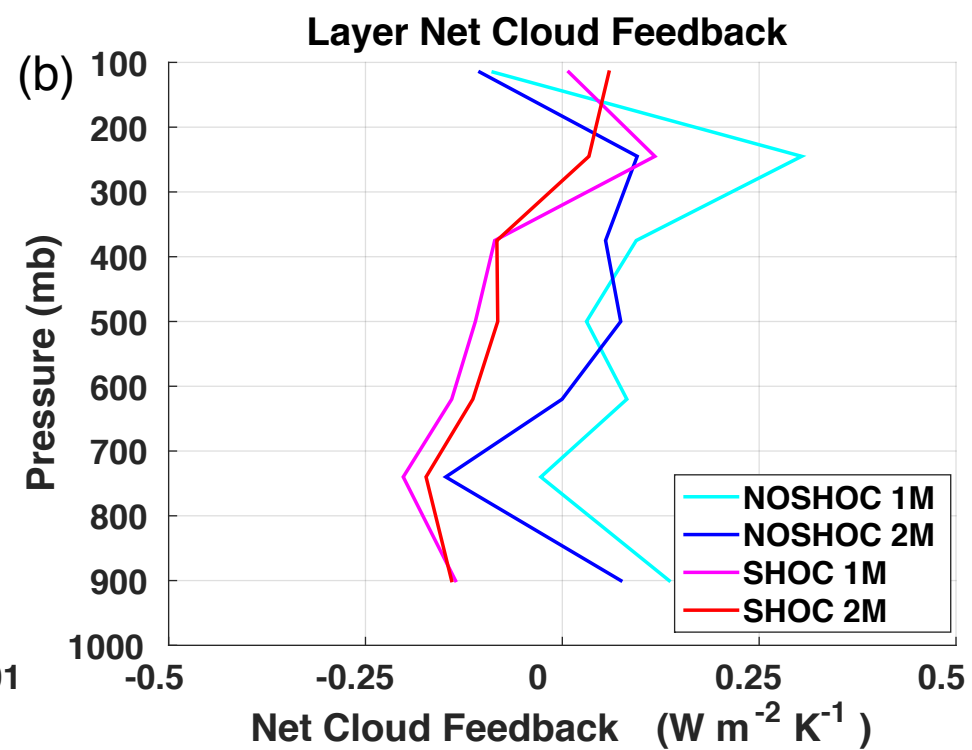
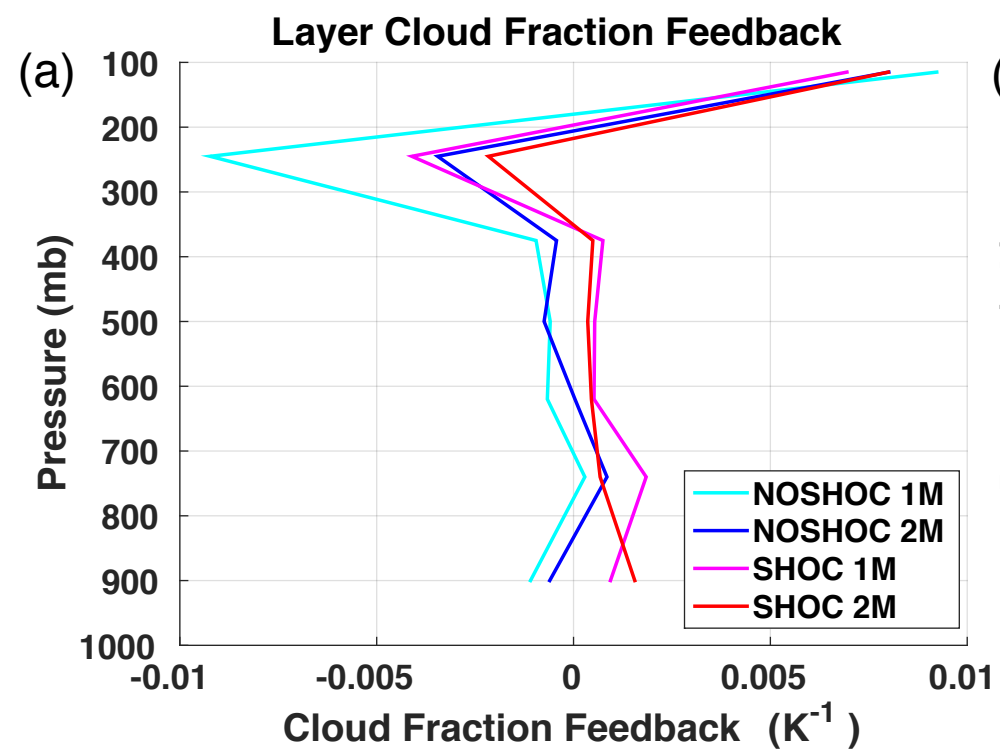


TABLE 2. Kernel-derived cloud feedback.

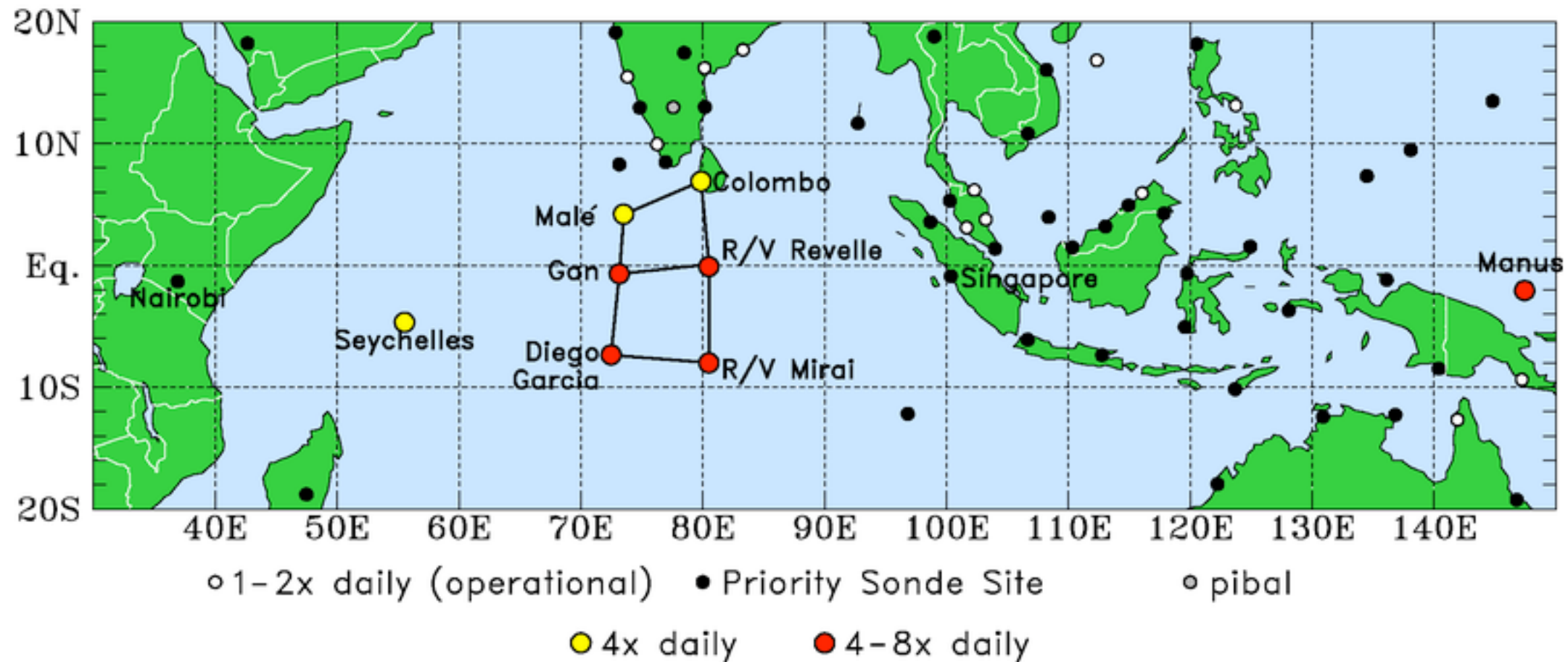
25-day average ($Wm^{-2}K^{-1}$)	1M NOSHOC	2M NOSHOC	1M SHOC	2M SHOC
LW	0.17	-0.12	1.27	1.01
SW	0.36	0.17	-1.82	-1.51
Net	0.53	0.05	-0.55	-0.50



DYNAMO Figure Source Codes

- CWPGanModelMovie500.m (kg1)
- CombRet.m (kg1)
- CombRetcase2.m (kg1)
- Gan_grid_dbztimeseries.m (kg1)
- Gan11_grid_dbztimeseries.m (local)
- Gan2km_dbzprofile.m (kg1)
- Gan1km_dbzprofile.m (kg1)
- Gan500m_dbzprofile.m (kg1)
- Gan2kmM11_dbzprofile.m (local)
- Gan1kmM11_dbzprofile.m (local)
- Gan500mM11_dbzprofile.m (local)

DYNAMO/CINDY/AMIE network and priority sonde sites

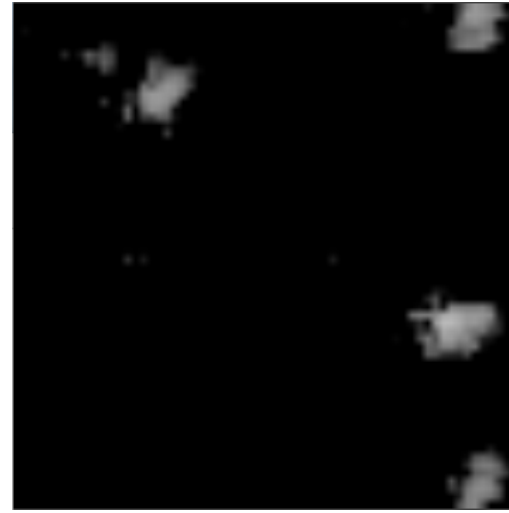


http://johnson.atmos.colostate.edu/dynamo/products/array_averages/index.html

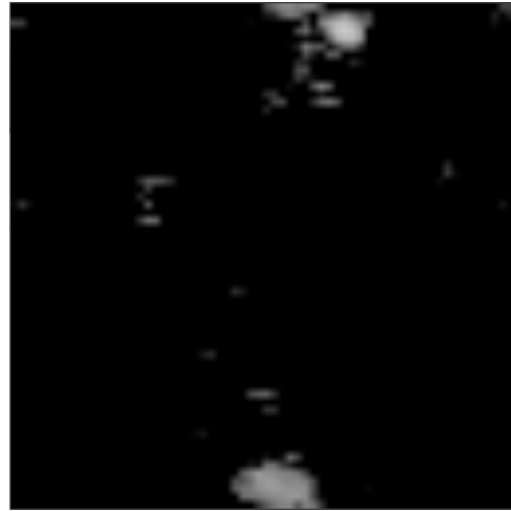
(a) 10z 13 October, 2011



(b) 15z 13 October, 2011



(c) 20z 13 October, 2011



(d) 01z 14 October, 2011



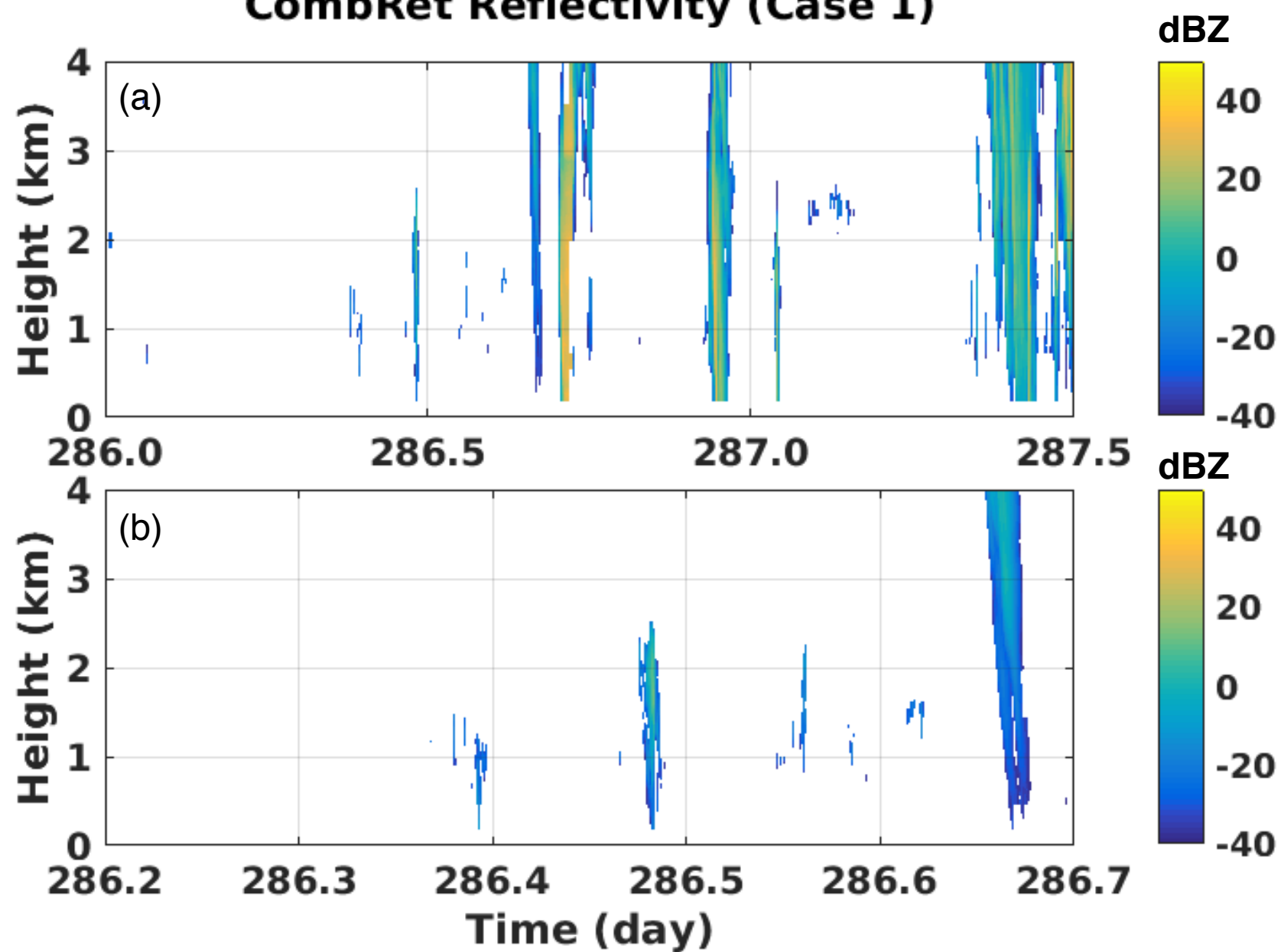
(e) 06z 14 October, 2011



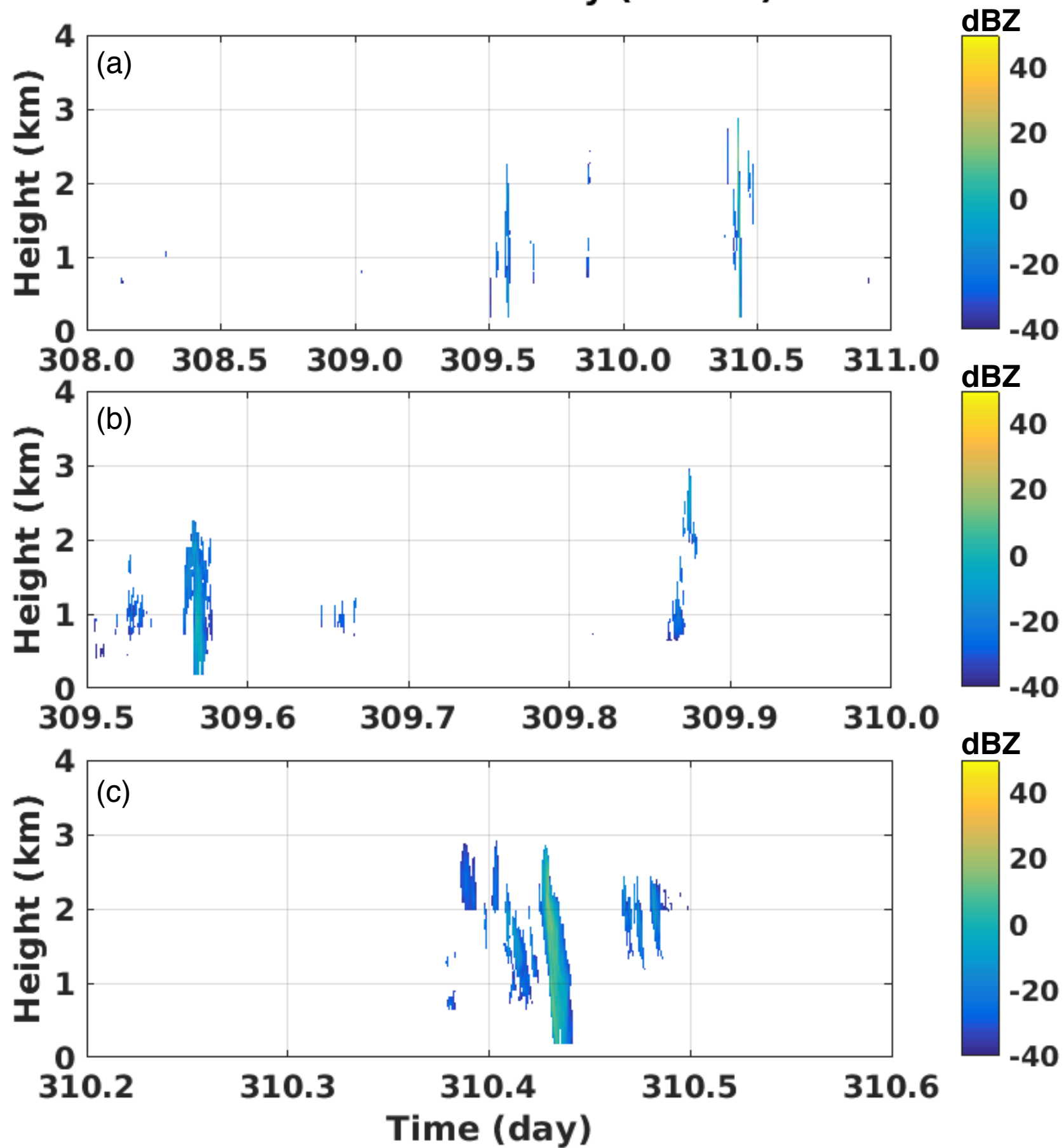
(f) 11z 14 October, 2011

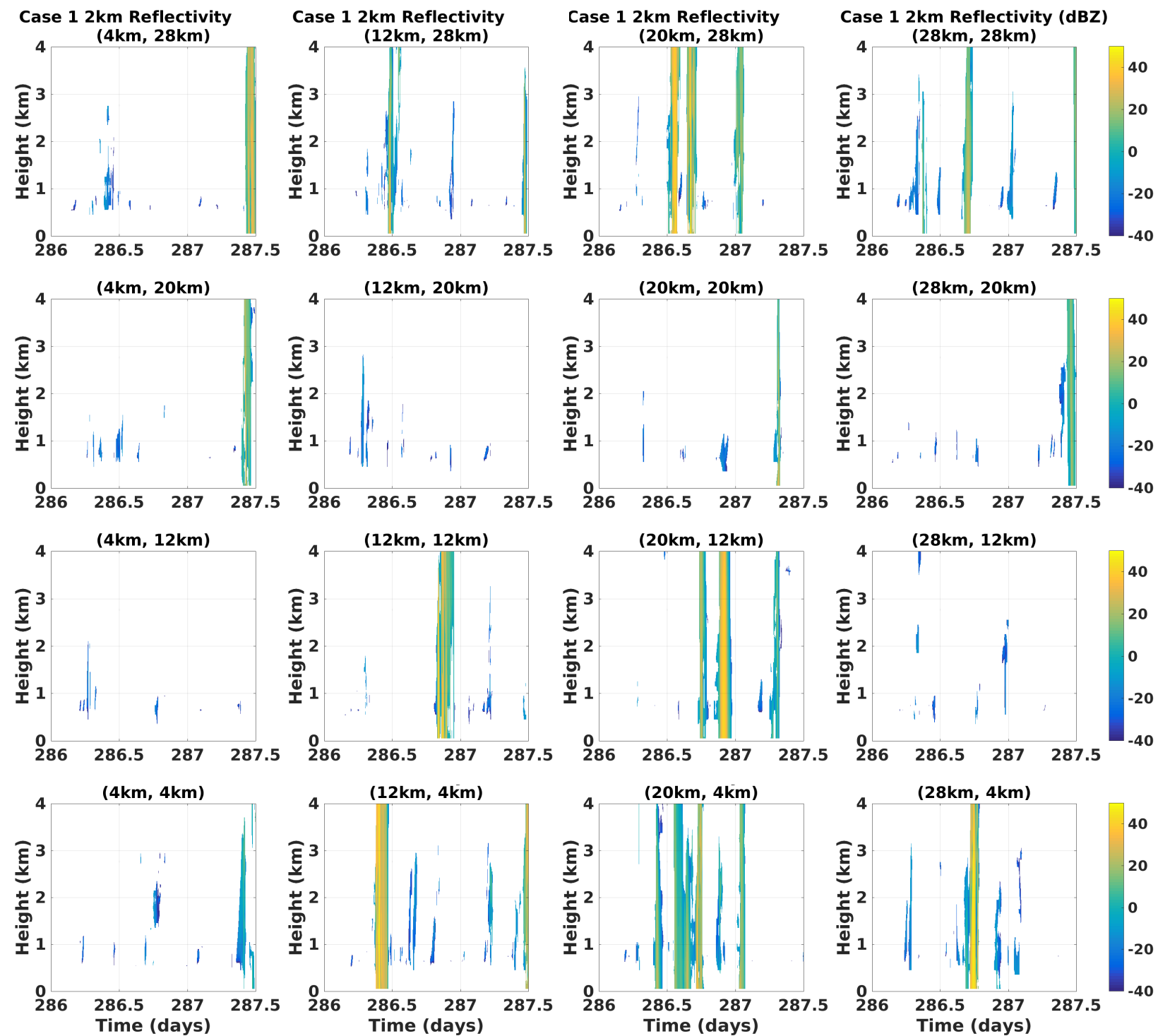


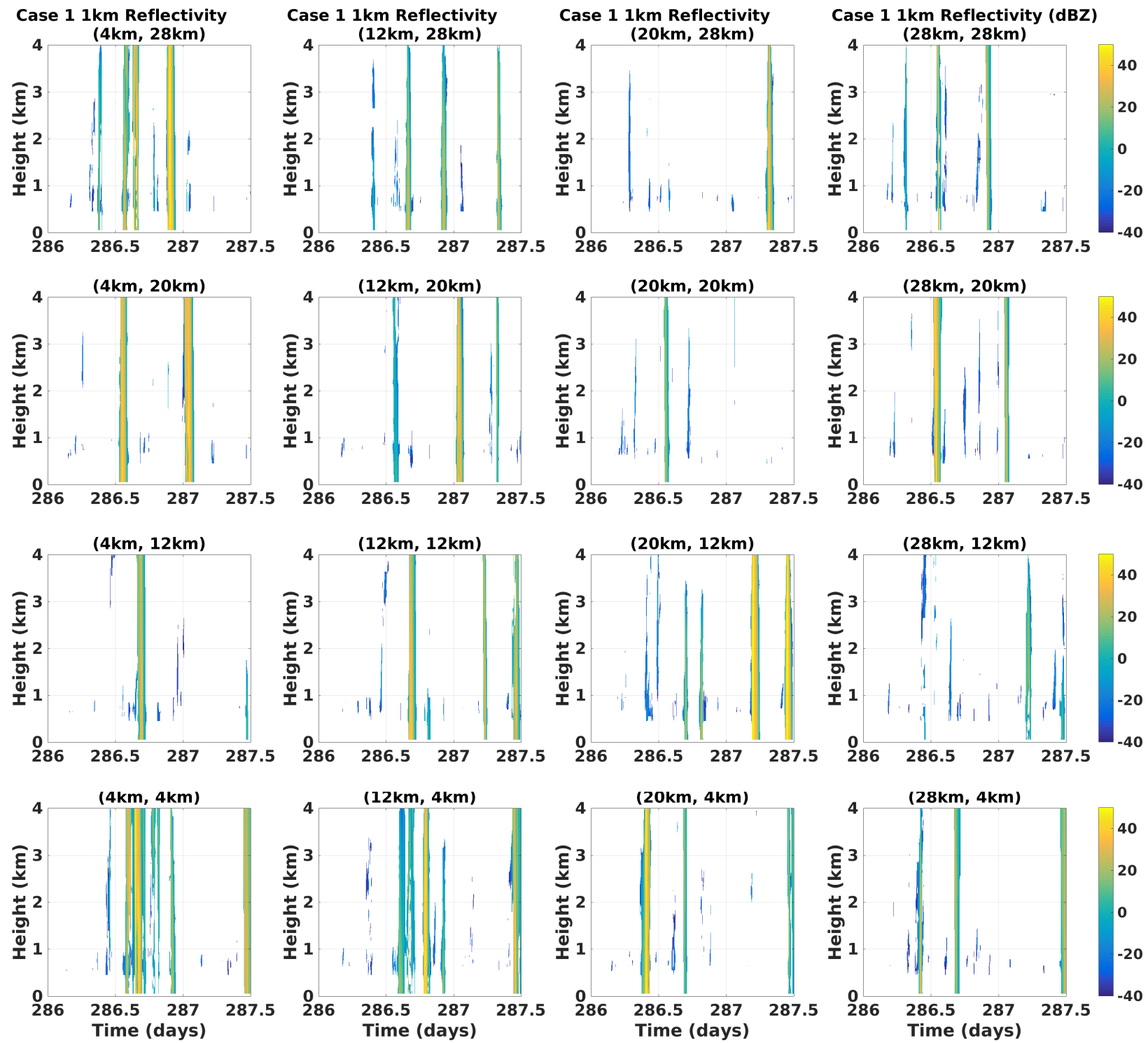
CombRet Reflectivity (Case 1)

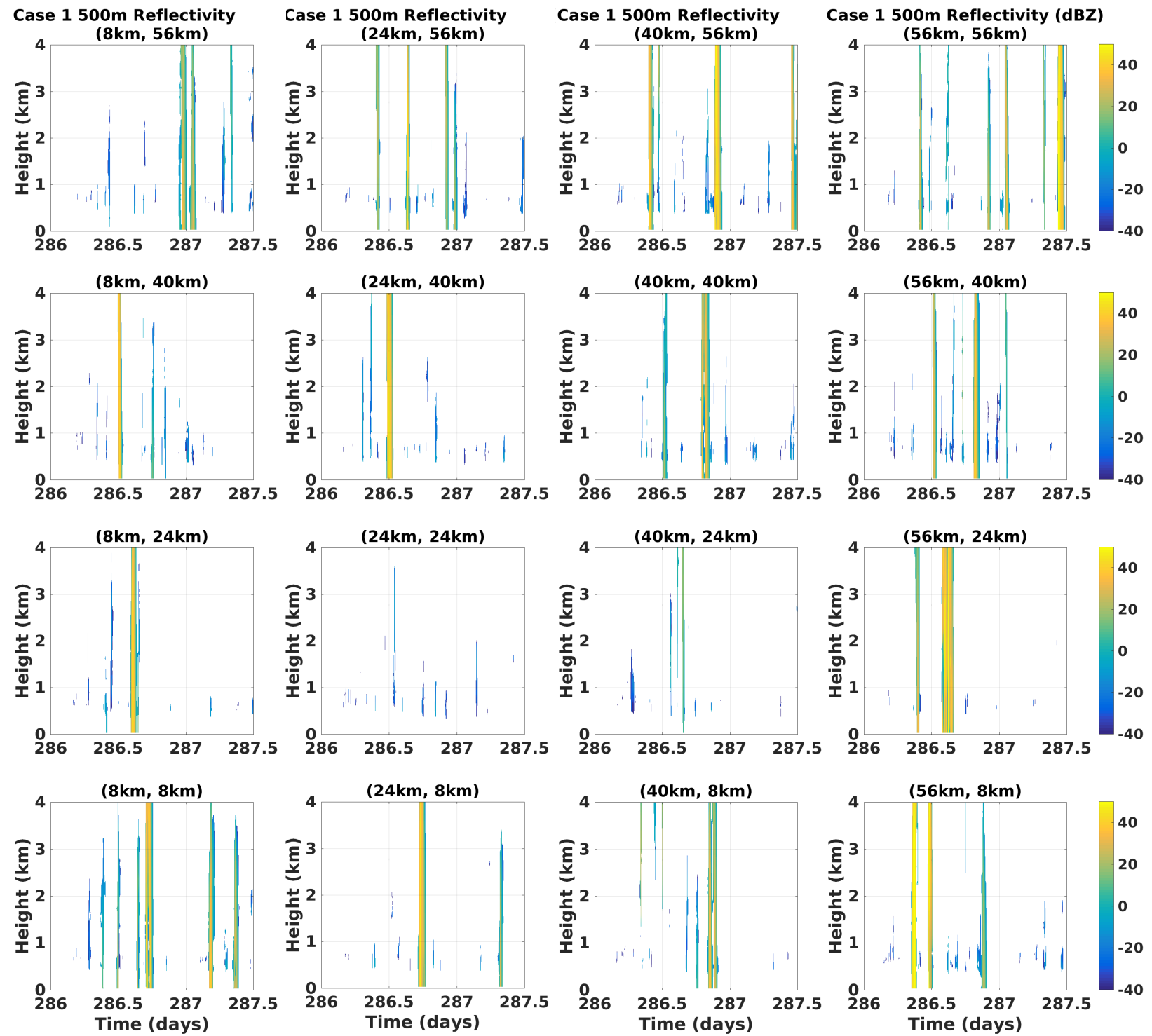


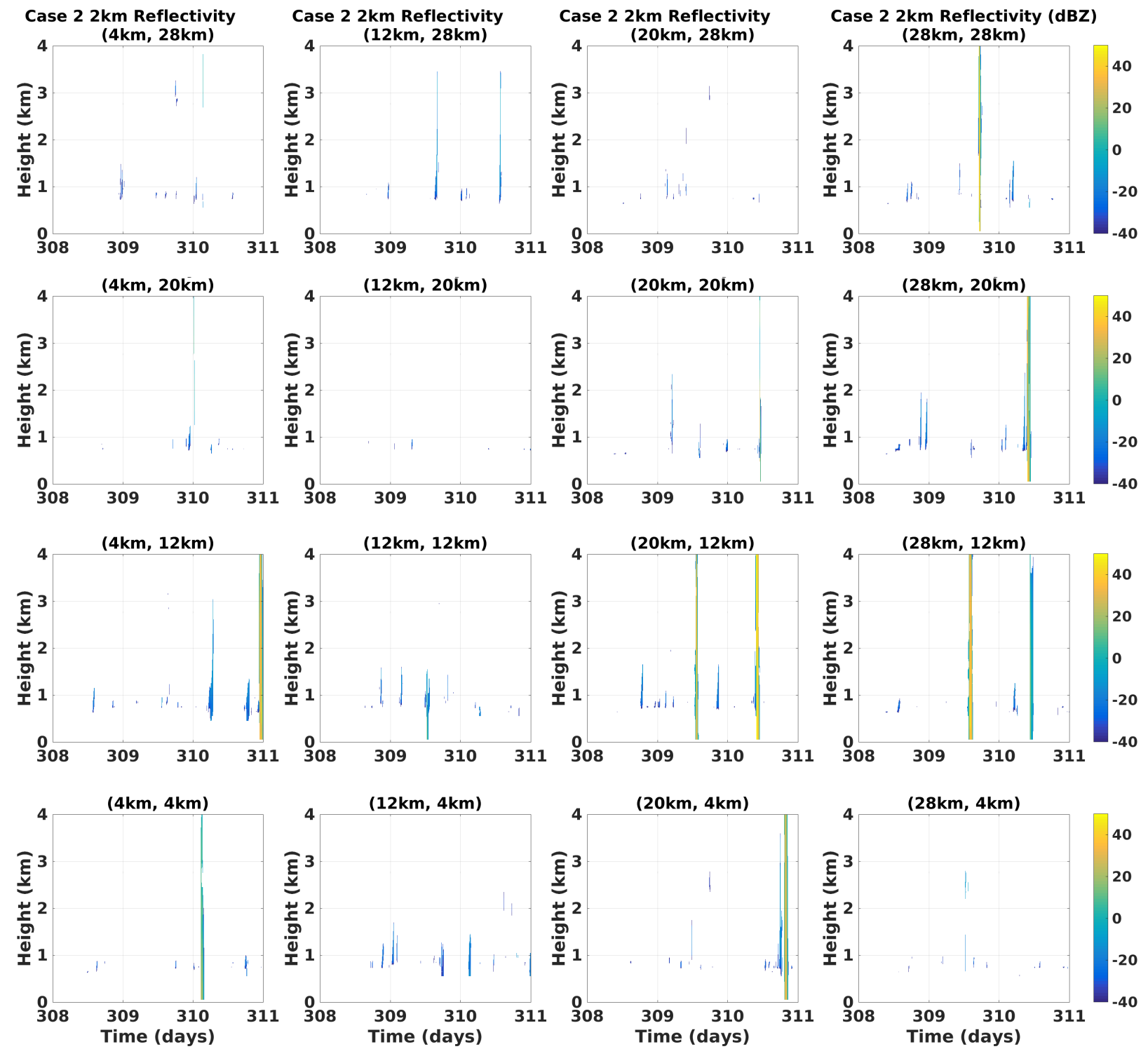
CombRet Reflectivity (Case 2)

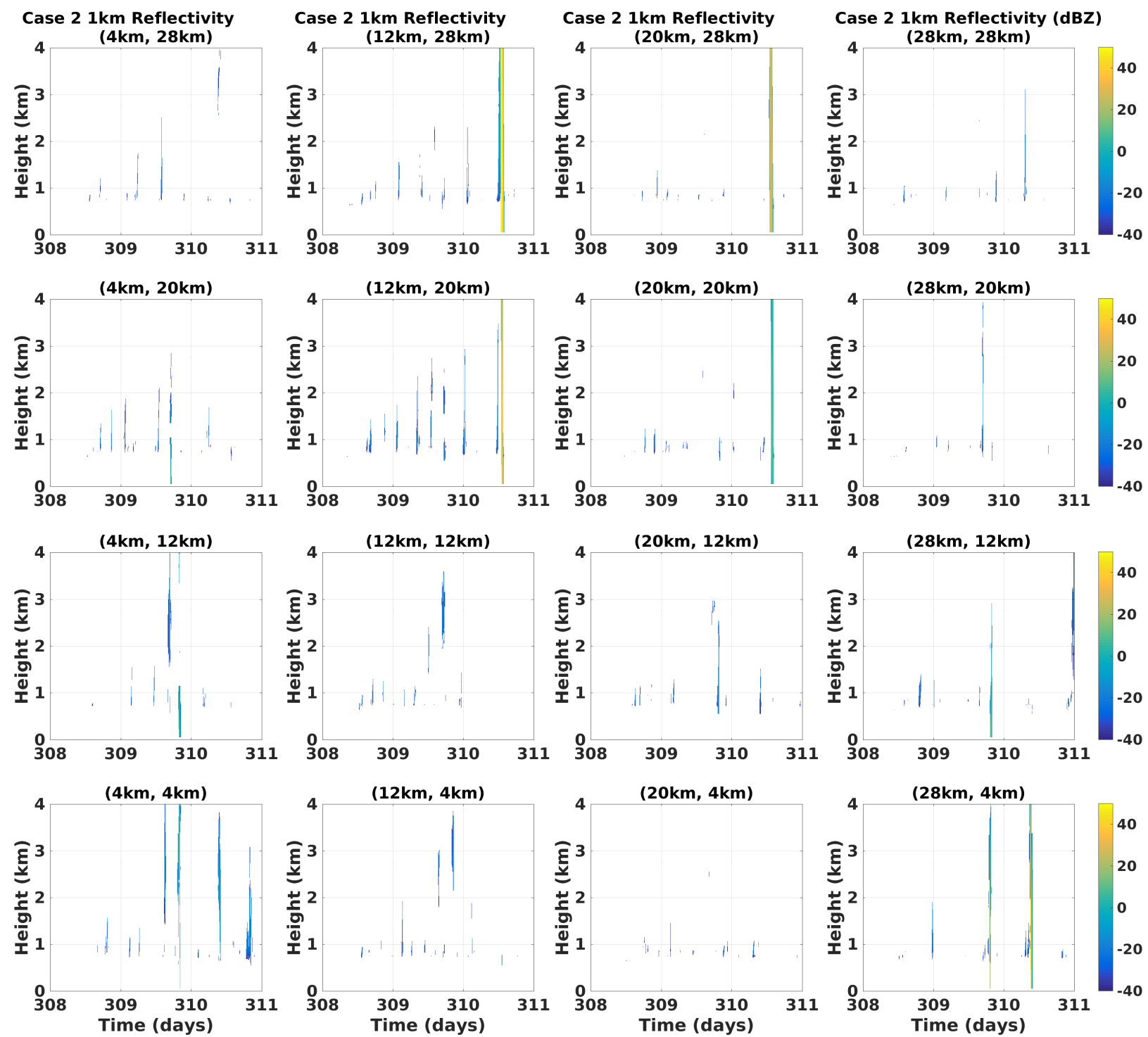


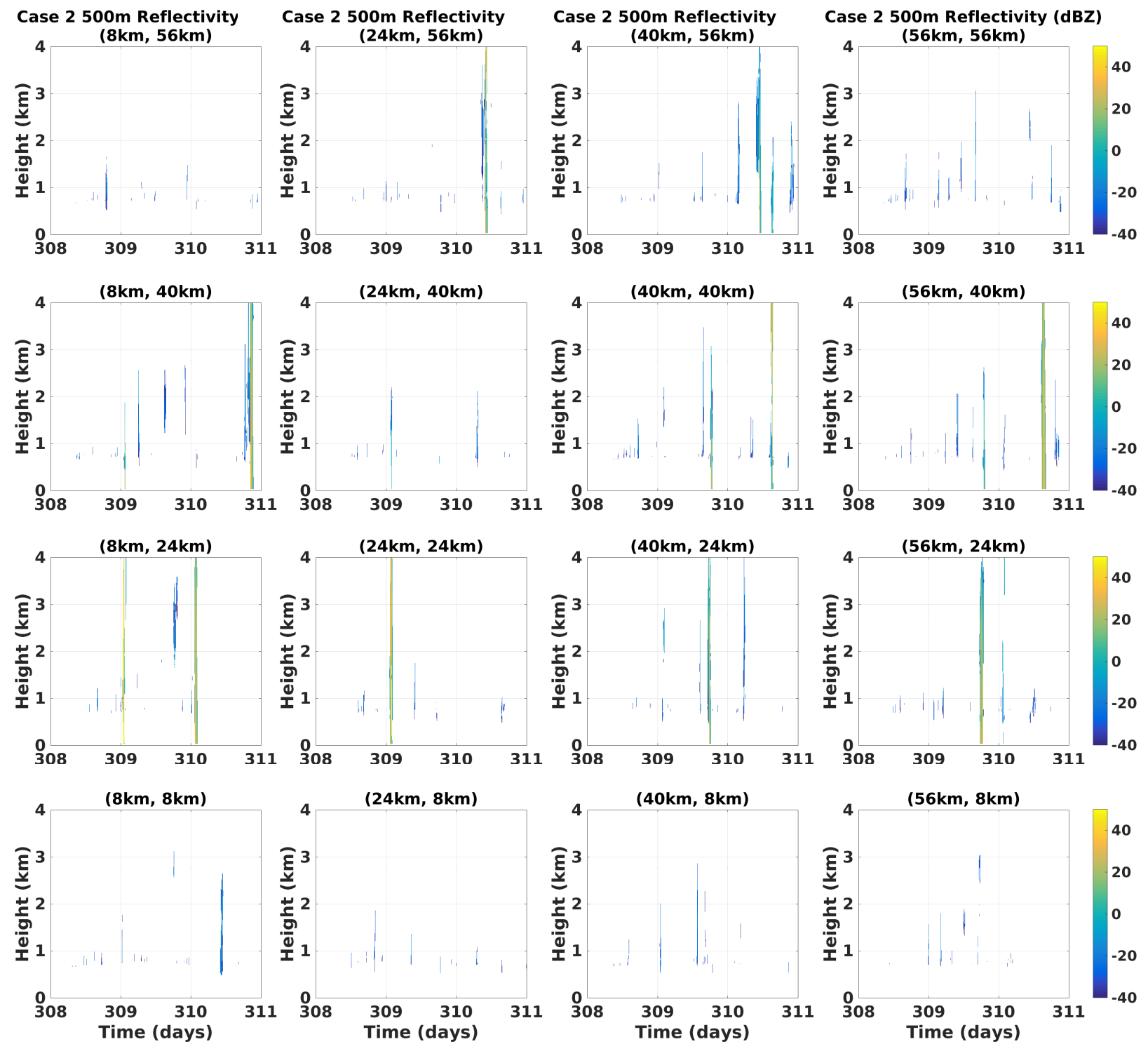


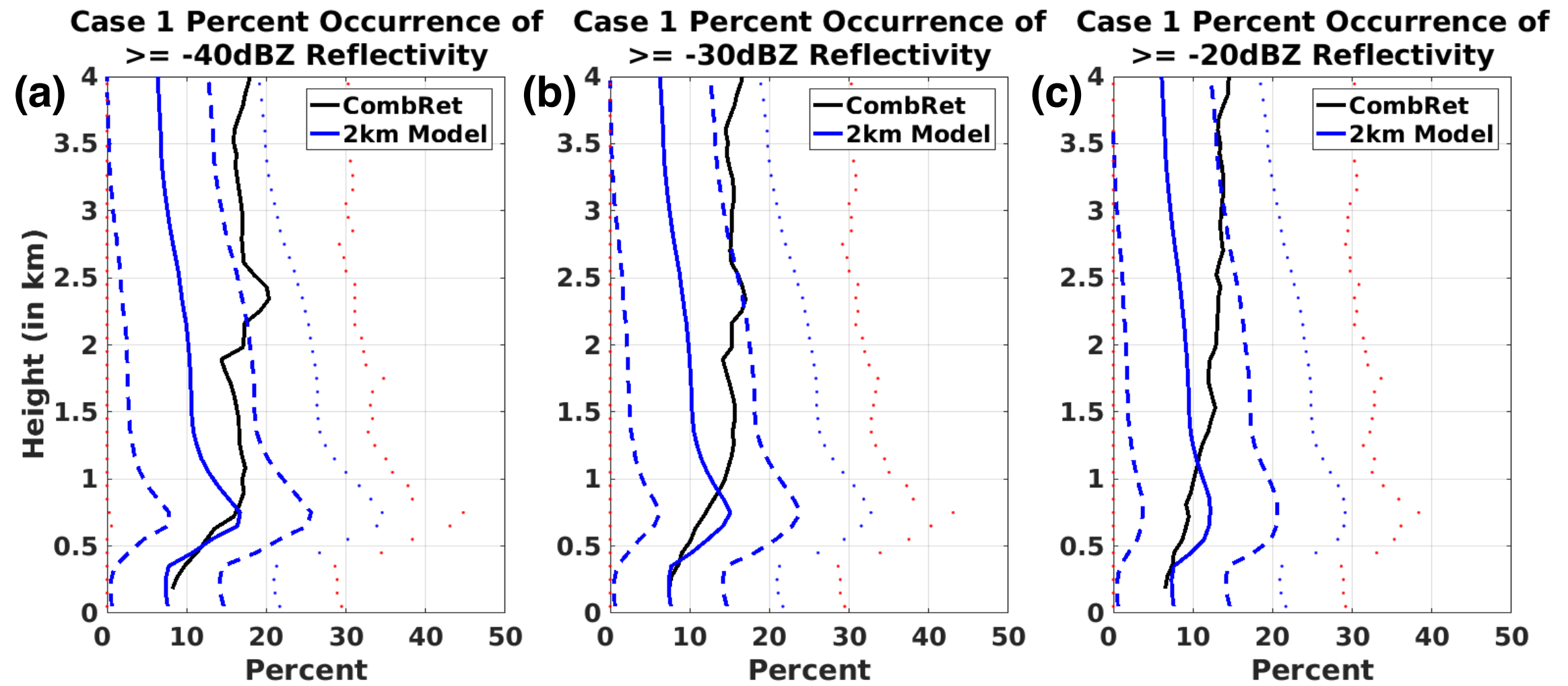


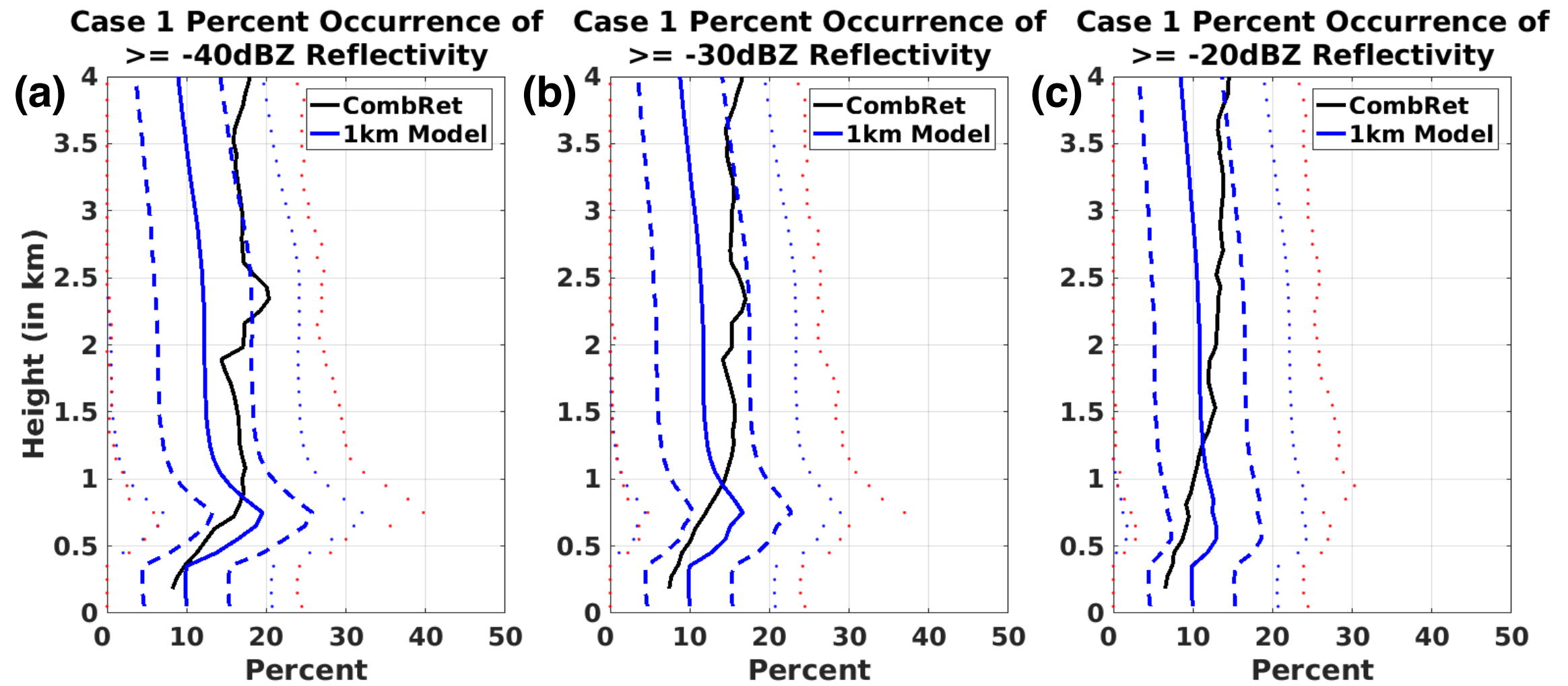


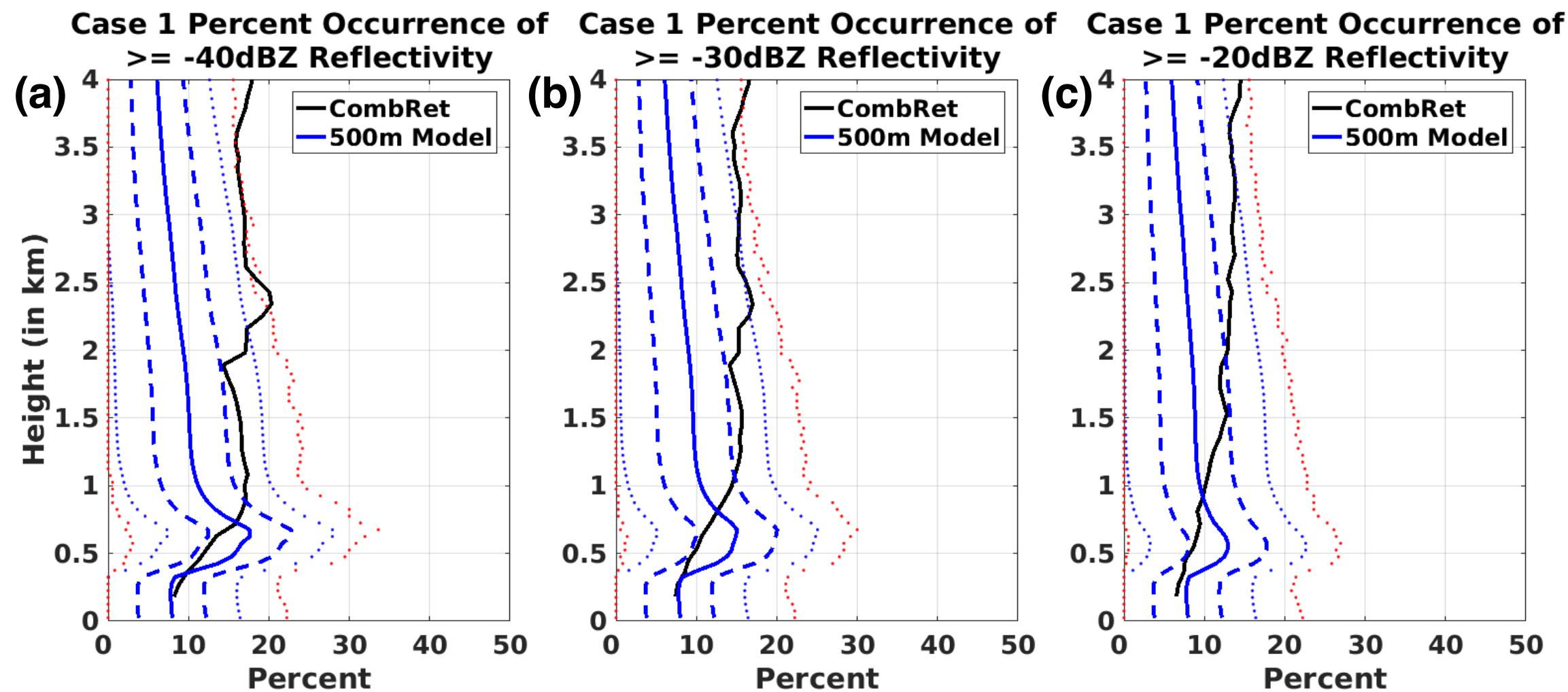


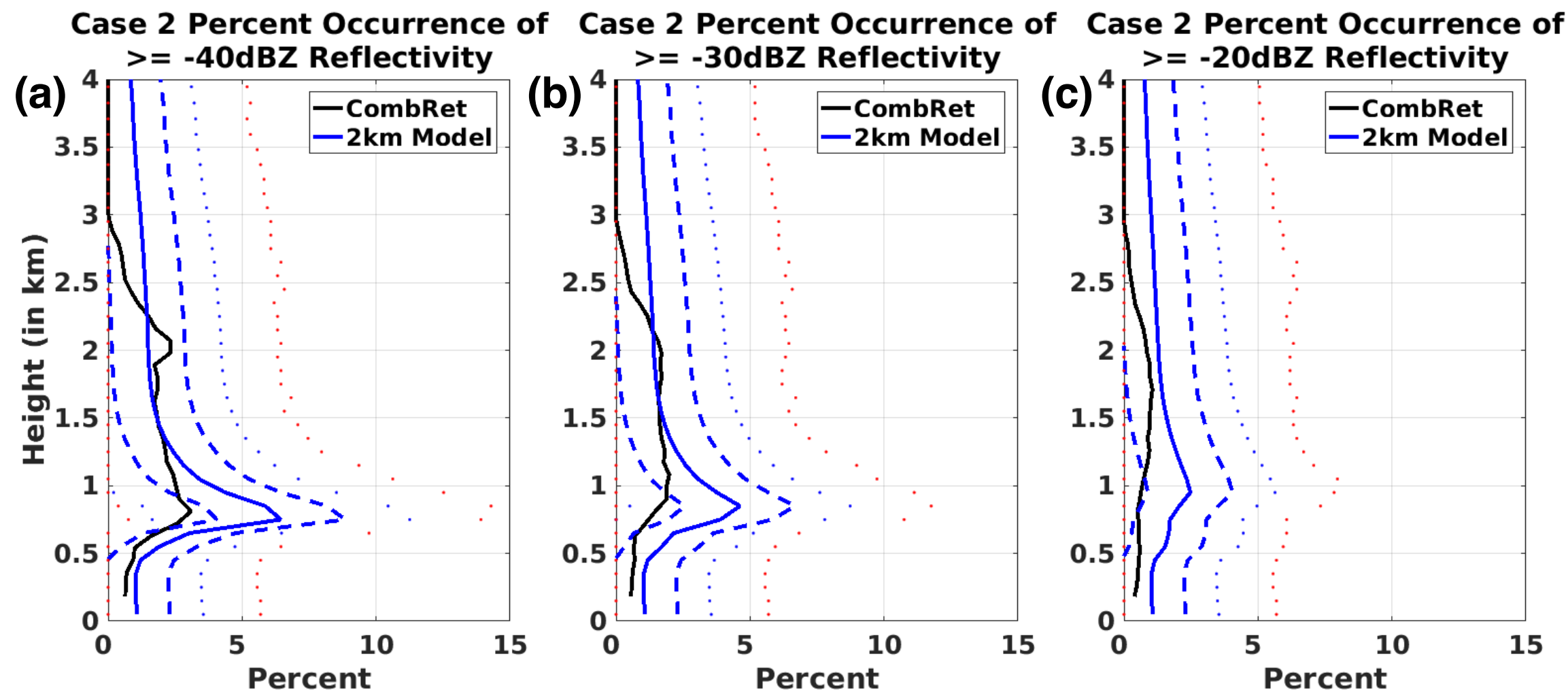


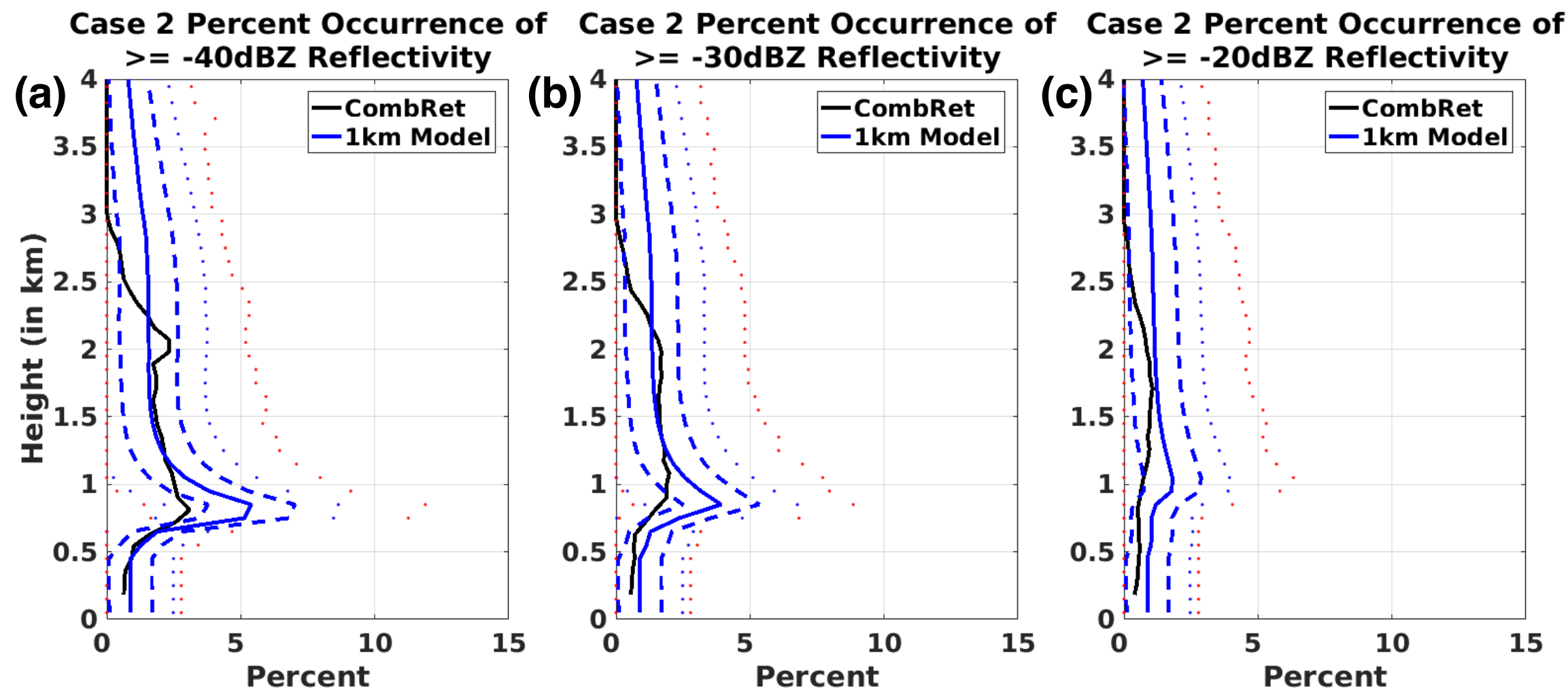


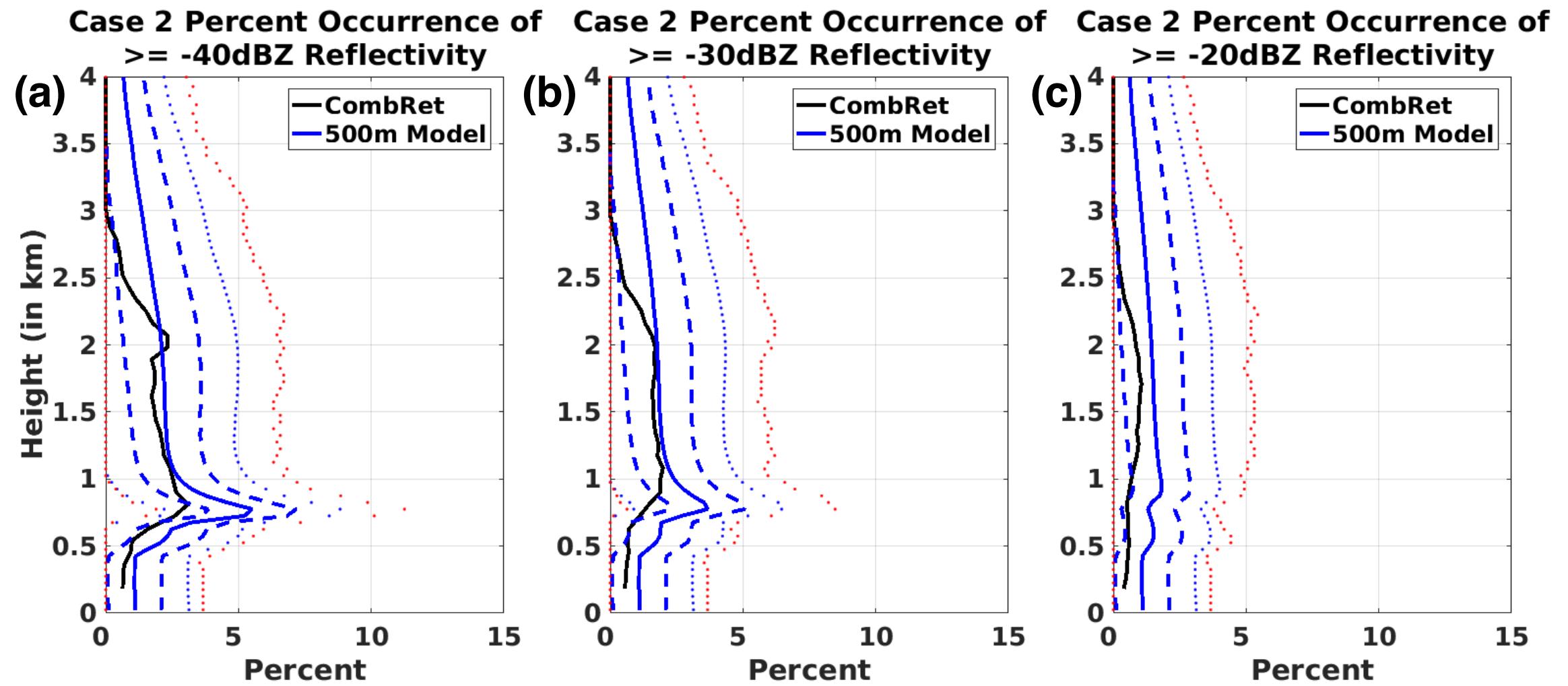












Additional Figures:

- S-Pol KAZR vs CombRet

- Sky Imager

- MODIS?

- Meteosat?