# 242



# Radar Rainfall Estimation on Hybrid Surface Based on Reflectivity Statistics

## 1. Introduction

Parameters	Values		
Latitude (°N)	37.4441		
Longitude (°E)	126.9639		
Antenna Height (m)	641		
Wavelength(cm)	10		
Observation range (km)	240		
Time resolution (min)	10.0		
Azimuthal resolution (°)	1.0		
Beam width (°)	0.94		
Range resolution (m)	250		
Elevation angles (°)	0.0, 0.4, 0.8, 1.2, 1.6, 2.0, 3.0, 4.2, 5.7, 9.8, 12.5, 15.8		



Choeng-lyong Lee<sup>1</sup>, Sung-Hwa Jung<sup>2</sup>, and GyuWon Lee<sup>1,2</sup> <sup>1</sup>Research and Training Team for Future creative Astrophysicists and Cosmologists, Departments of Astronomy and Atmospheric Sciences, Kyungpook National University, Daegu, Korea

<sup>2</sup>Center for Atmospheric REmote sensing, Kyungpook National University, Daegu, Korea





	2013.5.10.		2013.5.27.		2013.6.18.	
	THSR	FHSR	THSR	FHSR	THSR	FHSR
CORR	0.12	0.60	0.23	0.53	0.35	0.89
BIAS	1.16	-0.32	1.29	-0.04	1.62	0.28
SD	6.08	0.64	5.84	1.25	5.73	0.88
NSD	3.48	0.37	1.82	0.39	2.90	0.44
RATIO	1.66	0.82	1.40	0.99	1.82	1.14