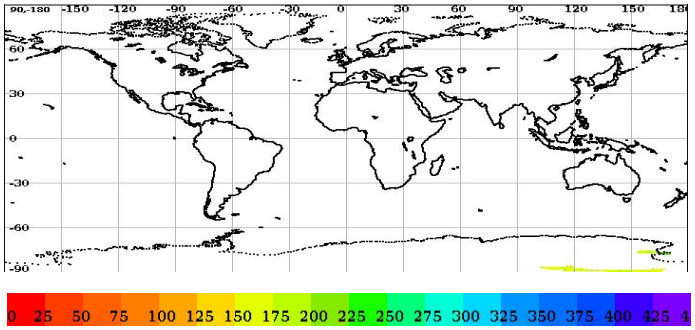
Scatsat-1 Scatterometer Level-2A Data Quality Evaluation Report

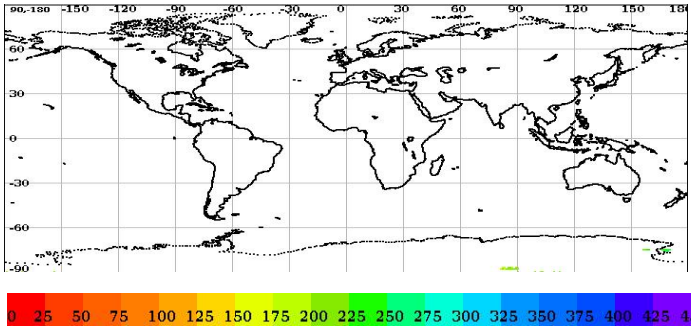
Satellite	Sensor	Start Orbit	End Orbit
SCATSAT-1	Scatterometer	8517	8518
WV Cells Along	**WV Cells Across**	**EquatorCrossDate**	**Production Date**
18	72	01-01-1970	06-05-2018
Direction	**WVC Size(km)**	**Processor Version**	
SN	25	v1.1.3	

Brightness Temprature

Inner Beam (HH)

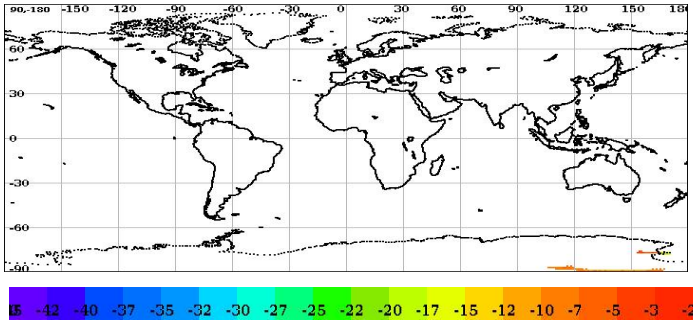


Outer Beam (VV)

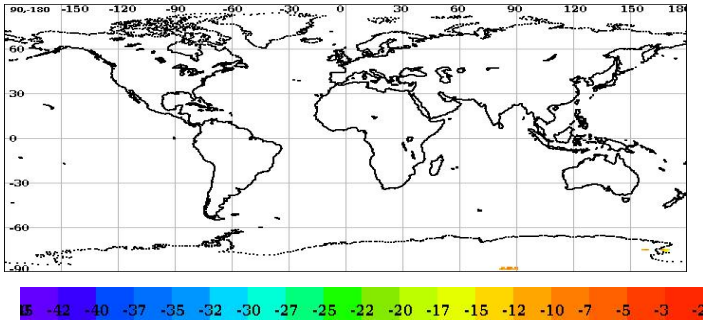


Sigma0(dB)

Inner Beam (HH)



Outer Beam (VV)



Level-2A Cell-wise Deviations*

Static Parameter Statistics (variations over the cell grid) for the Inner and Outer Beam												
Parameter	Inner Beam (HH)						Outer Beam (VV)					
	Aft			Fore			Aft			Fore		
	Min Rng	Max Rng	Bad Occ. (%)	Min Rng	Max Rng	Bad Occ. (%)	Min Rng	Max Rng	Bad Occ. (%)	Min Rng	Max Rng	Bad Occ. (%)
Kpa	0.00	0.07	0.00	0.00	0.07	0.00	0.00	0.07	0.00	0.00	0.07	0.00
Kpb	0.00	0.09	0.00	0.00	0.09	0.00	0.00	0.09	0.00	0.00	0.09	0.00
Kpc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Inc. Angle(deg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delta Azi.Angle(deg)	0.00	20.29	27.27	0.00	14.12	23.53	0.00	122.27	30.77	0.00	5.84	0.00

Category wise Dynamic Parameter Statistics (Variations over the Cell grid)													
Parameter	Beam	Sea Aft			Sea Fore			Land Aft			Land Fore		
		Min Rng	Max Rng	Bad Occ. (%)	Min Rng	Max Rng	Bad Occ. (%)	Min Rng	Max Rng	Bad Occ. (%)	Min Rng	Max Rng	Bad Occ. (%)
SNR(dB)	Inner (HH)	0.00	11.37	0.00	2.71	3.82	0.00	0.00	9.11	0.00	0.00	7.69	0.00
	Outer (VV)	0.00	5.86	0.00	100000.00	-100000.00	0.00	0.00	7.40	0.00	0.00	8.56	0.00
Sigma0(dB)	Inner (HH)	0.00	10.46	0.00	2.81	3.97	0.00	0.00	6.87	0.00	0.00	6.00	0.00
	Outer (VV)	0.00	4.98	0.00	100000.00	-100000.00	0.00	0.00	6.14	0.00	0.00	4.41	0.00

Parameter Specifications with in a cell

Parameter	Kpa	Kpb	Kpc	Inci (deg)	SNR (dB)	Delta Azi. (deg)	Sigma0 (dB)
Range	1.0	1.0	1.0	3.0	20.0	10.0	20.0

Normal Deviation Alarming High

* Note: Deviations within a Cell for a category is observed and flagged if out of range specifications