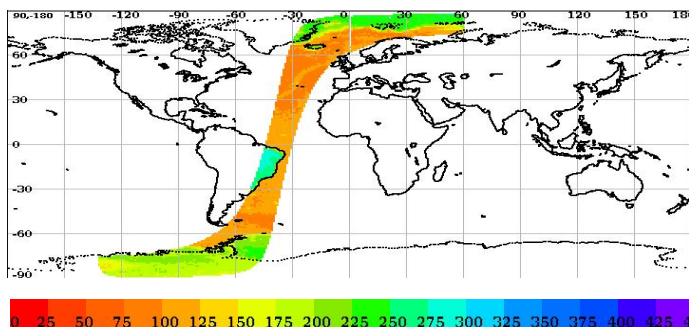


# Scatsat-1 Scatterometer Level-2A Data Quality Evaluation Report

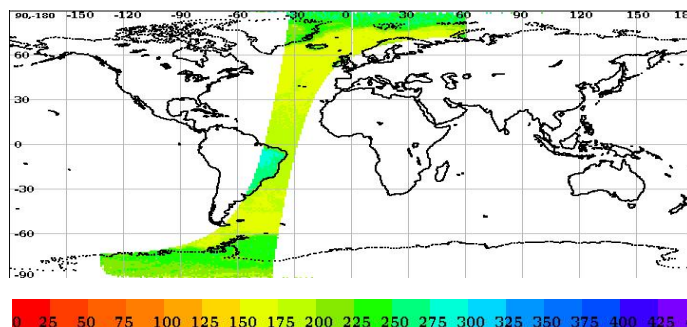
<b>Satellite</b>	<b>Sensor</b>	<b>Start Orbit</b>	<b>End Orbit</b>
SCATSAT-1	Scatterometer	3846	3847
<b>WV Cells Along</b>	<b>WV Cells Across</b>	<b>EquatorCrossDate</b>	<b>Production Date</b>
405	36	18-06-2017	18-06-2017
<b>Direction</b>	<b>WVC Size(km)</b>	<b>Processor Version</b>	
NS	50	v1.1.2	

## Brightness Temperature

**Inner Beam (HH)**

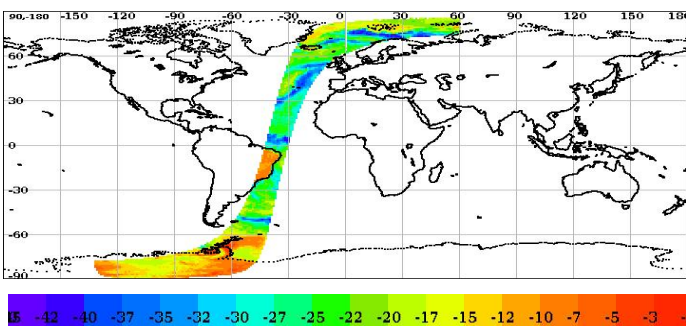


**Outer Beam (VV)**

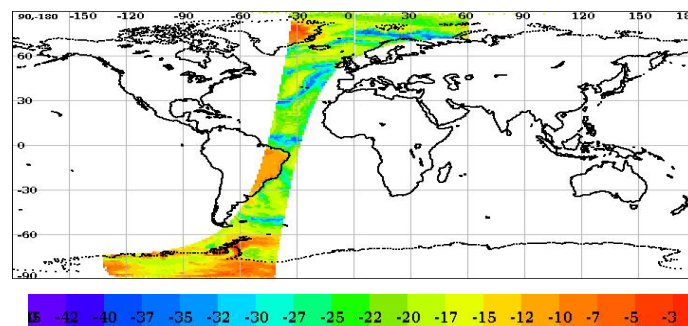


## Sigma0(dB)

**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. (%)
<b>Kpa</b>	0.00	0.07	0.00	0.00	0.07	0.00	0.00	0.07	0.00	0.00	0.07	0.00
<b>Kpb</b>	0.00	0.09	0.00	0.00	0.09	0.00	0.00	0.09	0.00	0.00	0.09	0.00
<b>Kpc</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Inc. Angle(deg)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Delta Azi.Angle(deg)</b>	0.00	25.91	14.03	0.00	34.73	15.88	0.00	350.21	13.33	0.00	81.67	13.12

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. (%)
<b>SNR(dB)</b>	<b>Inner (HH)</b>	0.00	46.00	8.44	0.00	50.46	6.73	0.00	28.36	0.07	0.00	22.06	0.23
	<b>Outer (VV)</b>	0.00	41.17	5.81	0.00	44.44	5.80	0.00	20.65	0.04	0.00	28.31	0.11
<b>Sigma0(dB)</b>	<b>Inner (HH)</b>	0.00	46.96	7.78	0.00	49.09	6.17	0.00	24.90	0.07	0.00	21.16	0.11
	<b>Outer (VV)</b>	0.00	39.12	5.46	0.00	43.23	5.47	0.00	17.27	0.00	0.00	25.08	0.07

### 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

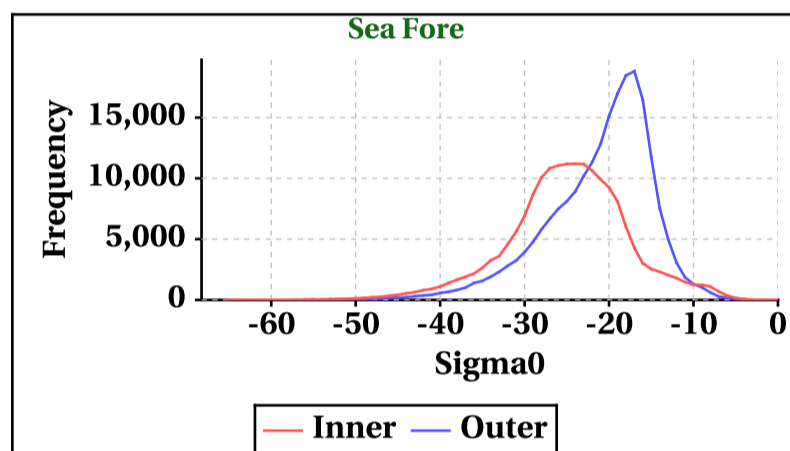
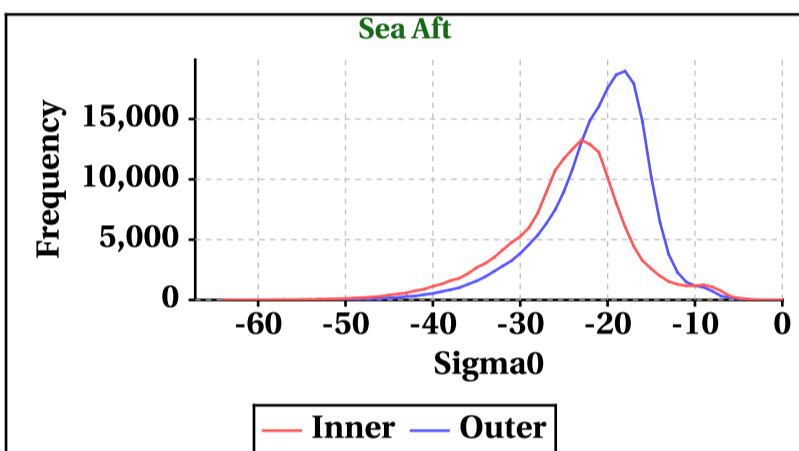
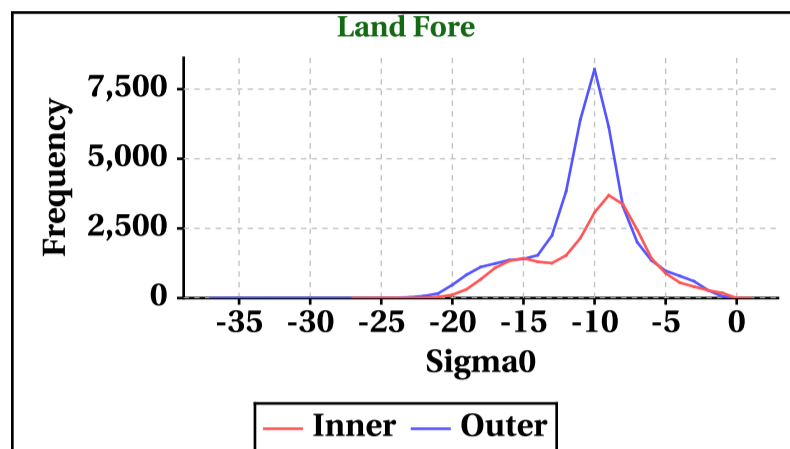
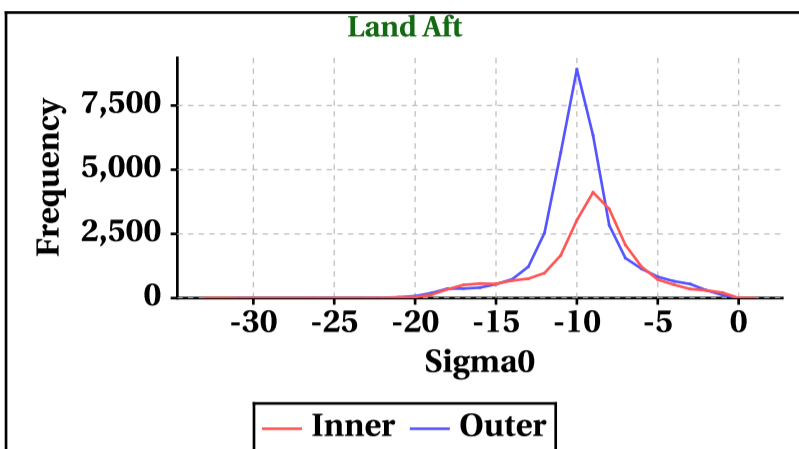
\* Note: Deviations within a Cell for a category is observed and flagged if out of range specifications

## Dynamic Range (Data Histograms)

### Sigma0(db)

Inner Beam (HH)				
	Land Aft	Land Fore	Sea Aft	Sea Fore
Min	-33	-27	-64	-65
Max	1	1	-1	-1

Outer Beam (VV)				
	Land Aft	Land Fore	Sea Aft	Sea Fore
Min	-31	-37	-59	-61
Max	-1	-1	-1	-1



### Brightness Temperature(K)

Inner Beam(HH)				
	Land Aft	Land Fore	Sea Aft	Sea Fore
Min	1	1	1	1
Max	340	346	307	313

Outer Beam(VV)				
	Land Aft	Land Fore	Sea Aft	Sea Fore
Min	1	1	1	1
Max	383	336	316	305

