

COSMO-SkyMed Product Details

Acquisition Mode	Processing levels:	Level 1A (SCS)	Level 1B (DGM)	Level 1C (GEC)	Level 1D (GTC)
SPOTLIGHT	Line Spacing (m)	0.7	0.5	0.5	0.5
	Pixel Spacing (m)	0.3 ÷ 0.4	0.5	0.5	0.5
	Ground Range resolution (m)	1	1	1	1
	Azimuth resolution (m)	1	1	1	1
	Range x Azimuth scene size (km)	10 x 10			
	Scene duration (sec)	3			
	Geolocation ±3s accuracy (m)		25	25	15
	Number of looks		1	1	1
StripMap HIMAGE	Line Spacing (m)	2 ÷ 2	2.5	2.5	2.5
	Pixel Spacing (m)	1 ÷ 2	2.5	2.5	2.5
	Ground Range resolution (m)	3	5	5	5
	Azimuth resolution (m)	3	5	5	5
	Range x Azimuth scene size (km)	40 x 40			
	Scene duration (sec)	7			
	Geolocation ±3s accuracy (m)		25	25	15
	Number of looks		~ 3	~ 3	~ 3
StripMap PINGPONG	Line Spacing (m)	2 ÷ 2.5	10	10	10
	Pixel Spacing (m)	3 ÷ 8	10	10	10
	Ground Range resolution (m)	15	20	20	20
	Azimuth resolution (m)	15	20	20	20
	Range x Azimuth scene size (km)	30 x 30			
	Scene duration (sec)	6			
	Geolocation ±3s accuracy (m)		25	25	20
	Number of looks		~ 2.8	~ 2.8	~ 2.8
ScanSAR WIDE REGION	Line Spacing (m)	10	15	15	15
	Pixel Spacing (m)	2 ÷ 4	15	15	15
	Ground Range resolution (m)	15.0	30.0	30.0	30.0
	Azimuth resolution (m)	27.0	30.0	30.0	30.0
	Range x Azimuth scene size (km)	100 x 100			
	Scene duration (sec)	15			
	Geolocation ±3s accuracy (m)		30	30	30
	Number of looks		~ 4	~ 4	~ 4
ScanSAR HUGE REGION	Line Spacing (m)	15	50	50	50
	Pixel Spacing (m)	7 ÷ 10	50	50	50
	Ground Range resolution (m)	22	100	100	100
	Azimuth resolution (m)	45	100	100	100
	Range x Azimuth scene size (km)	200 x 200			
	Scene duration (sec)	30			
	Geolocation ±3s accuracy (m)		100	100	100
	Number of looks		~ 18	~ 18	~ 18

For more information please contact: info.cosmo@e-geos.it