

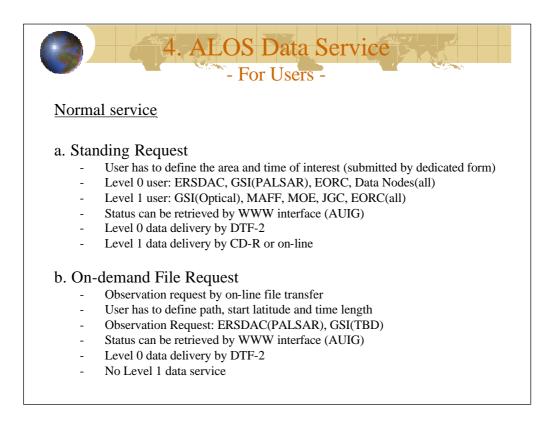
<u>User Type</u>	Who
Institutional user	ERSDAC, GSI, MAFF, MOE, JCG, etc.
NASDA internal user	EORC, selected PIs
General user	General user including research use
General user           RSDAC         Earth Remote Sensing E           IAFF:         Ministry of Agriculture,           CG:         Japan Coast Guard	Data Analysis Center GSI: Geographical Survey Institute
RSDAC Earth Remote Sensing D IAFF: Ministry of Agriculture,	Data Analysis Center GSI: Geographical Survey Institute Forest and Fishery MOE: Ministry of the Environment
RSDAC Earth Remote Sensing E IAFF: Ministry of Agriculture, CG: Japan Coast Guard	Data Analysis Center GSI: Geographical Survey Institute Forest and Fishery MOE: Ministry of the Environment EORC: Earth Observation Research Center

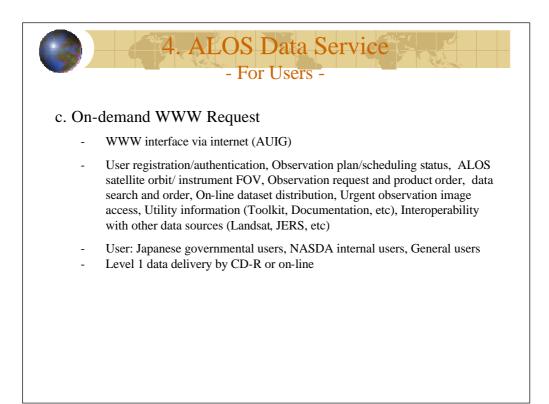
_		
Processing Level		Definition
Level 0	AVNIF	R-2 Level 0 data for distribution
	(incluc	ling TT&C, AOCS, PCD telemetry)
only for		
ERSDAC		Level 0 data for distribution
GSI	(includ	ding TT&C, AOCS, PRISM mission telemetry)
EORC	PALSA	R Level 0 data for distribution
Data nodes	(includ	ling TT&C, AOCS, PALSAR mission telemetry)
Level 1		AVNIR-2. PRISM
(Processed data)	1A	Uncorrected image, Scene unit
	1B1	Radiometrically calibrated image
	1B2	Geometrically corrected image
		PALSAR
	1.0	Uncorrected image, Scene Unit
	11	Single look complex data on slant range

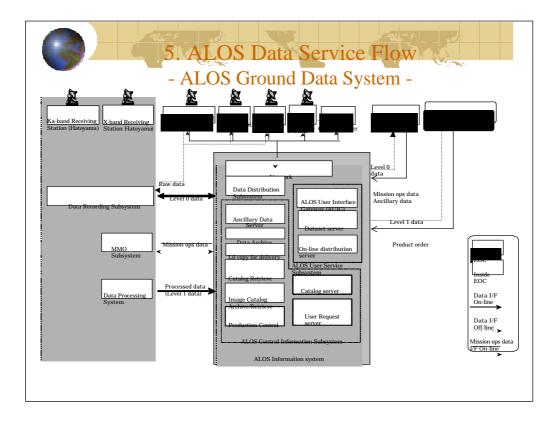
Data type	Definition
Directory	ALOS data directory in DIF* * Directory Interchange Format
Inventory	Text-base catalog information of PRISM, AVNIR-2, PALSAR images
Image catalog (with thumbnail)	PRISM, AVNIR-2, PALSAR JPEG images with scene unit

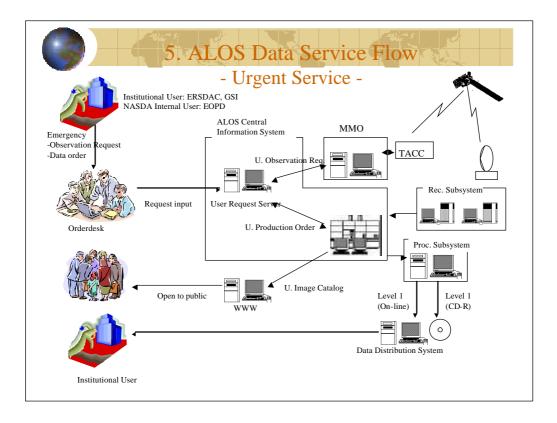
On-line distribution dataset	Definition
PALSAR Level 1.5	- Japan's land area (latest data) - Cloud free (<10%)
AVNIR-2 Level 1B2	- Good Q/A - Geo-reference - Geotiff format
PRISM Level 1B2	- On-line distribution (internet)

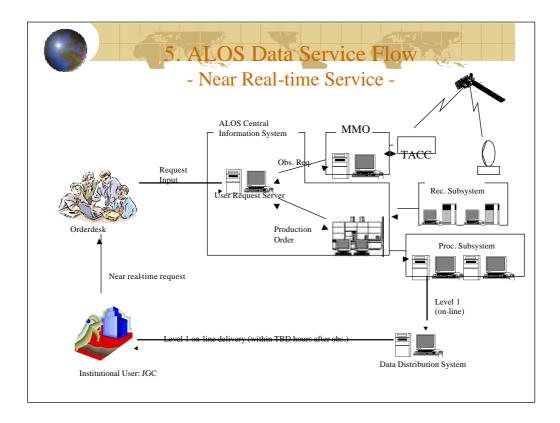
	- For Users -	A de marte
Time service	Definition	User
Urgent service	<ul> <li>Mainly for disaster monitoring <ul> <li>First priority (from observation to delivery)</li> <li>Request file will be accepted by 72 hours before observation</li> <li>Urgent request later than 72 hours before obs needs operator call</li> <li>Level 1 data will be ready for distribution within 3 hours after data reception</li> <li>Image catalog will be open to public within 1 hour (3 hours for PALSAR)</li> <li>Data will be provided by either CD-R or on-line</li> </ul> </li> </ul>	Institutional user (ERSDAC, GSI) NASDA internal user
Near real-time service	Such as Sea Ice monitoring - Request must be submitted as Standing Request - Near real-time Level 1 data delivery within 3 hours after observation via on-line	Institutional User (JCG)
Normal service	<ul> <li>Request must be submitted by one week before observation</li> <li>Three types of request method</li> <li>a. Standing request</li> <li>b. On-demand file request</li> <li>c. On-demand WWW request</li> </ul>	Institutional user NASDA internal user General user

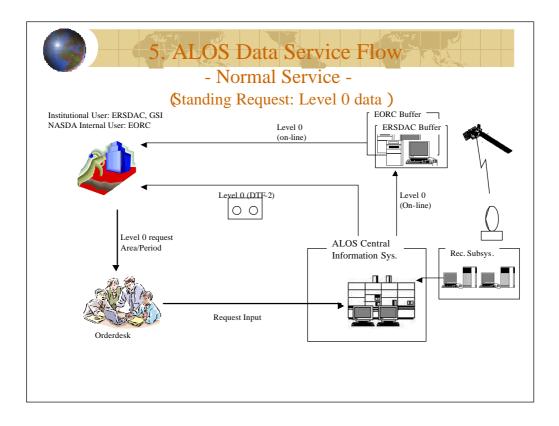


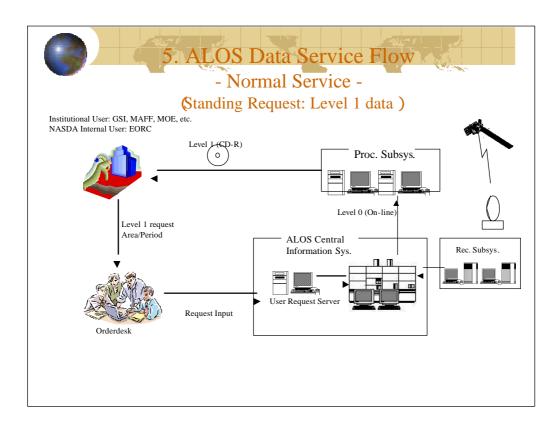


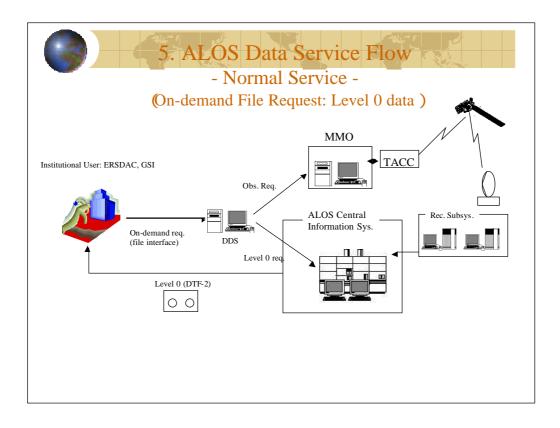


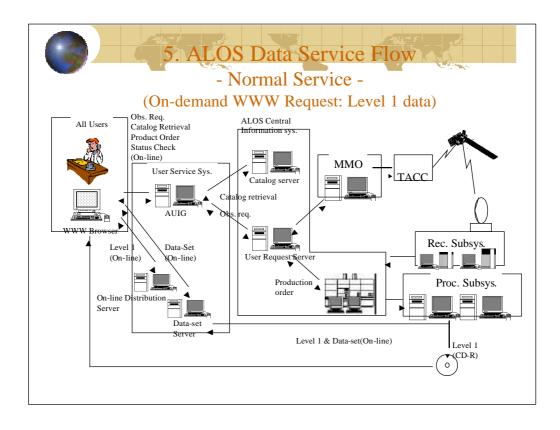


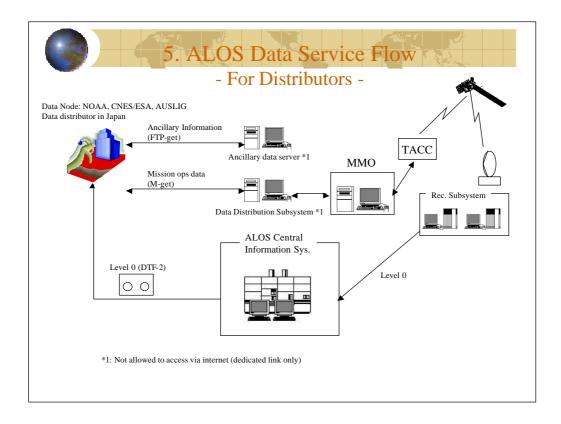






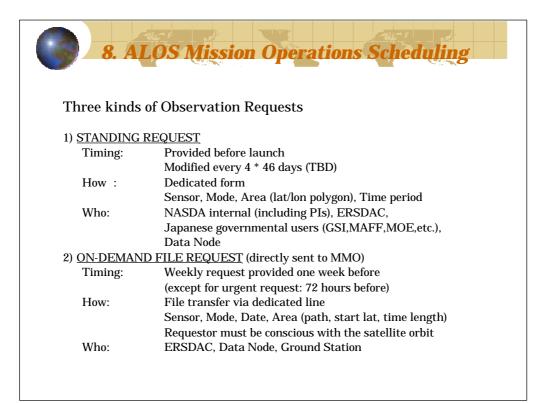


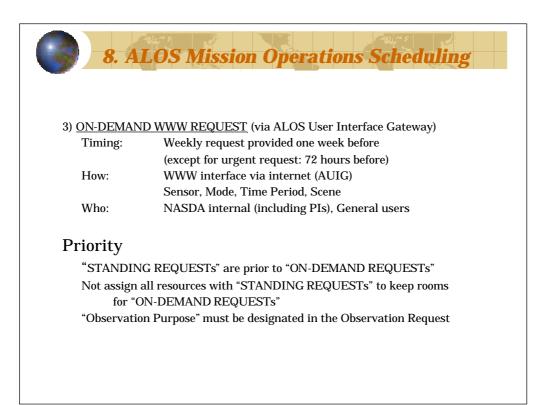


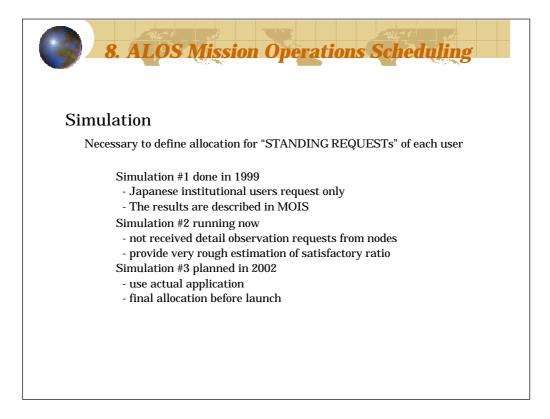


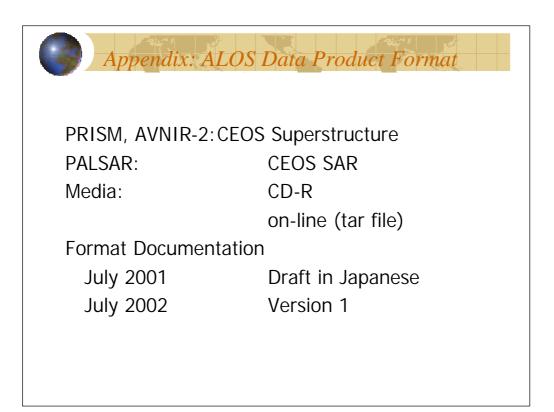
	Initial Check Out	Initial CAL/VAL	Routine Ops
	(L to L+3mo)	(L+3mo to L+8mo)	
Level 0 data	CAL/VAL only (limited amount)	Test delivery (limited amount)	Routine delivery
Level 1 data for NASDA internal user	CAL/VAL only (limited amount)	uncalibrated data (limited amount)	calibrated data
Level 1 data for general user	No delivery	No delivery	calibrated data

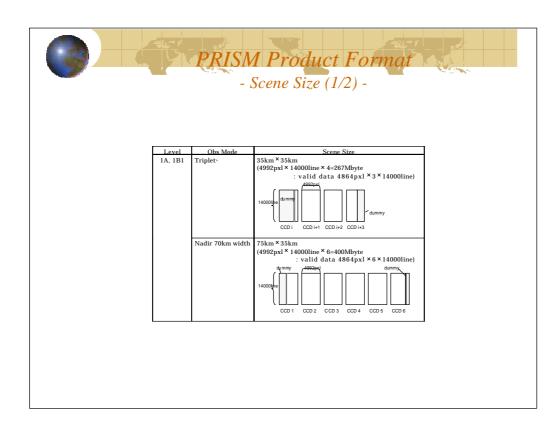
	LOS Instrument Operations Baseline
ALSAR	
ERSDAC:	Basin Mapping
GSI:	Volcanic Area Monitoring
EORC:	Global Rain Forest Mapping
Rest resourc	ces: Observation Requests
PRISM	
Most resource	ces allocated for systematic land covering
VNIR-2	
MAFF:	Agricultural Monitoring
MOE:	Environmental Monitoring
GSI:	World Map
Rest resourc	ces: Observation Requests

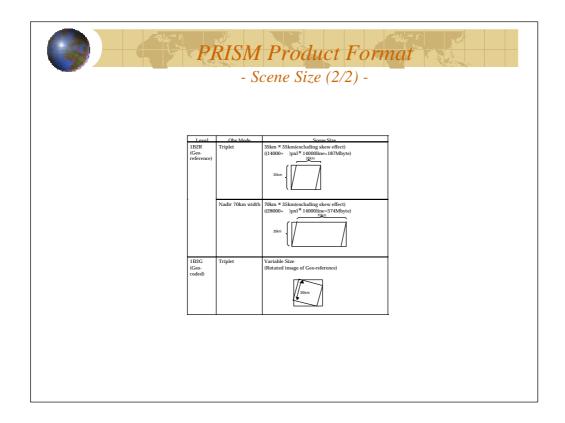


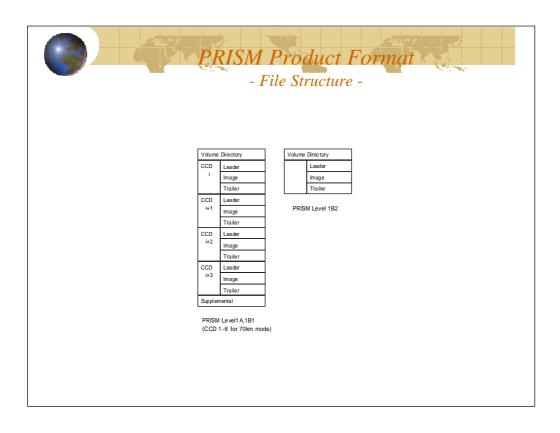


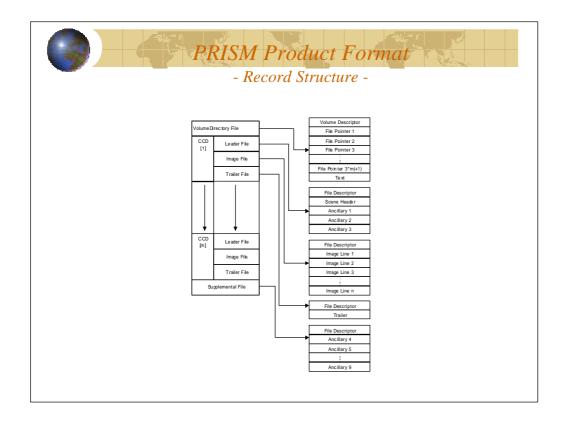


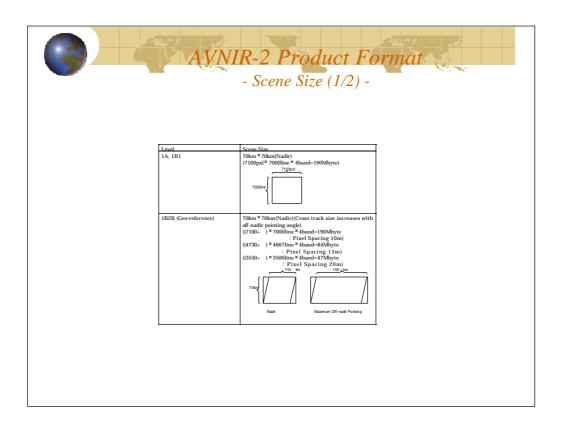


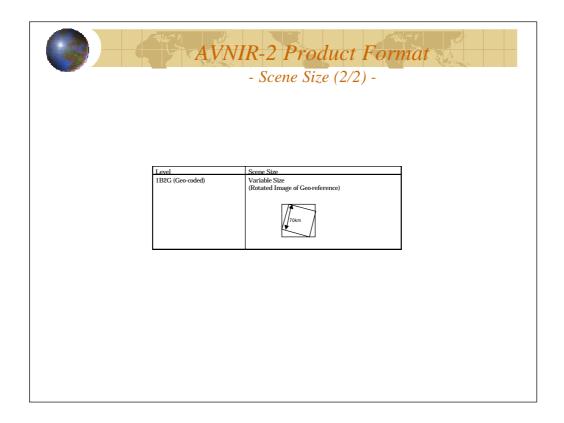


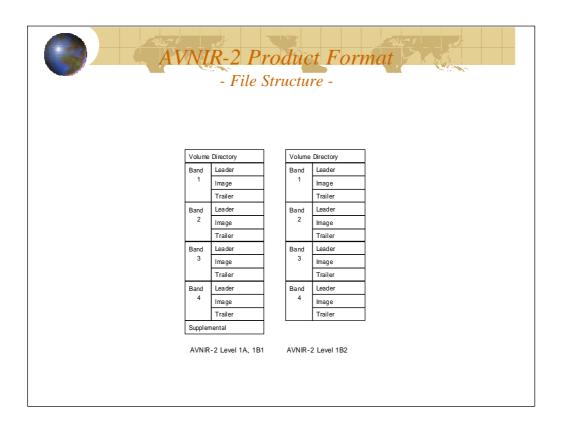


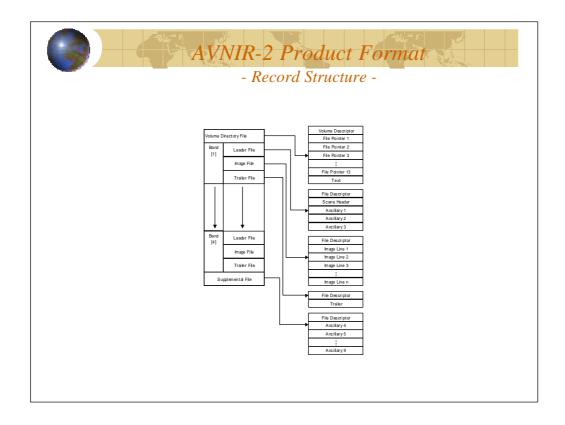












	PALSAR - Type	Prod s of P	uct roduc	For ts -	mat
		Р	rocess Lev	el	
Observ	vation Mode	1.0	1.1	1.5	
_	Single Polarization	0	0	0	18 beams
Resolution	Dual Polarization	0	0	0	18 beams
	Burst 1 (short cycle)	0	-	0	3/4/5 scan
Scan	Burst 2 (long cycle)	0	-	0	3/4/5 scan
Downlink		0	0	0	18 beams
netry		0	0	-	12 beams
I	Observ Resolution Scan Downlink	Observation Mode         Resolution         Dual Polarization         Dual Polarization         Scan       Burst 1 (short cycle)         Burst 2 (long cycle)         Downlink	Observation Mode     P       1.0     1.0       Resolution     0       Dual Polarization     0       Scan     Burst 1 (short cycle)     0       Burst 2 (long cycle)     0       Downlink     0	Observation Mode     Image: Description of the sector of the	Initial     Initial

Obs	ervation Mode	Range Size	Azimuth Size
	Off-nadir 9.9-43.4deg.	70km	
High Resolution	Off-nadir 45.2-50.0deg	50km	70km
Direct Downlink	Off-nadir 50.8deg	40km	
	5scan	350km	
Scan	4scan	300km	350km
	3scan	250km	

PALSAR Product Format



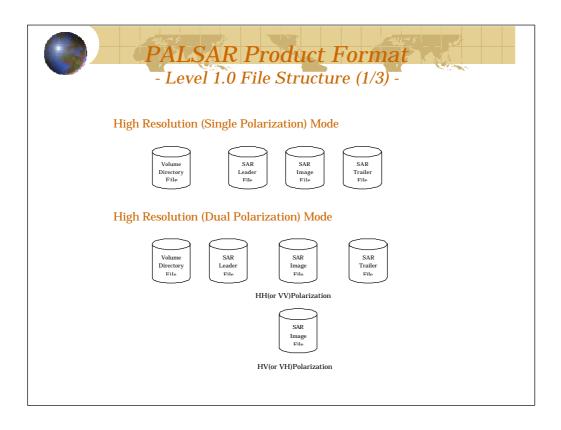
## High Res & Direct Downlink Mode (Geo-reference)

		Fran	ne Size	& File Size		
Image Size	Pi	xel Spacing 6.25m		Piz	kel Spacing :12.5m	
Range × Azimuth	Range Pix	Azimuth Pix	MB	Range Pix	Azimuth Pix	MB
70 × 52 ~ 78km	11,200	8,900 ~ 13,100	280	5,600	4,500 ~ 6,600	71
50 × 64 ~ 79km	8,000	10,300 ~ 13,100	200	4,000	5,200 ~ 6,600	50
40 × 75 ~ 79km	6,400	12,000 ~ 13,100	160	3,200	6,000 ~ 6,600	40

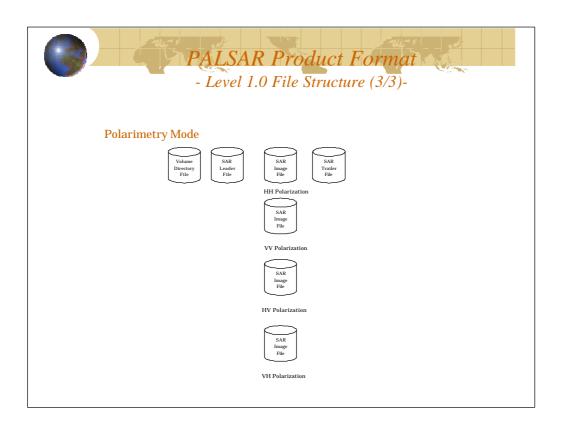
High Res & Direct Downlink Mode (Geo-coded)

Pixel	Image Size	Frame S	Size & File Size	
Spacing	Range ×Azimuth	East-West	South-North	MB
	70 × 52 ~ 78km	8,300 ~ 17,200	11,200 ~ 17,200	558
6.25m	50 ×64 ~ 79km	10,300 ~ 15,300	8,000 ~ 15,300	400
	40 × 75 ~ 79km	12,000 ~ 14,600	6,400 ~ 14,600	320
	70 × 52 ~ 78km	4,200 ~ 8,600	5,600 ~ 8,600	140
12.5m	50 × 64 ~ 79km	5,200 ~ 7,700	4,000 ~ 7,700	101
	40 × 75 ~ 79km	6,000 ~ 7,300	3,200 ~ 7,300	81

Image Size Geo-reference Geo-coded
Range × Azimuth Range Pix Azimuth Pix MB East-West South-Norht MB
250km×350km 2,500 3,500 17 4,300 4,300 36
300km×350km 3,000 3,500 21 4,600 4,600 41
350km × 350km 3,500 3,500 24 5,000 5,000 48



PALSAR Product Format - Level 1.0 File Structure (2/3) -		
Direct Downlink Mode		
Volume Directory File SAR Leader File SAR Image File File File		
Scan Mode		
Volume Directory File SAR Leader File SAR Image File File SAR Trailer File		



PALSAR Product Format - Level 1.5 File Structure -		
Volume Directory File SARLeader File		
SARImage File Trailer File	Repetition of Image file for multiple polarization (HH, HV, VH, VV)	