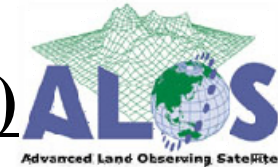


ALOS Kyoto & Carbon Initiative Science Team meeting #12

June.15

1. Scenario requests acquisition status.
2. Acquisition status on a map
3. Future (Scenario update, Acquisition gap-filling, DRTS status, TDRSS status)

Scenario requests acquisition status (1/3)



Scenario results (Cycles 24-26)

Cycle 24

Cycle 25

Cycle 26 POL

			Cycle24(2008/12/10~2009/1/24)				Cycle25(2009/1/25~2009/3/11)				Cycle26(2009/3/12~2009/4/26)			
			req[id]	req[scene]	obs[scene]	obs rate[%]	req[id]	req[scene]	obs[scene]	obs rate[%]	req[id]	req[scene]	obs[scene]	obs rate[%]
PALSAR	Asce	全体	3324	59021	47687	81	2409	45896	35607	78	1565	29349	24690	84
	Desce		689	3633	2856	79	6470	41086	28754	70	1146	21353	18348	86
		ScanSAR Wetlands	207	1182	900	76	4949	28651	17987	63	136	935	712	76
PRISM	Desce	3方向視+OB2	445	35361	25525	72	1810	145190	99056	68	1373	147484	112026	76
		直下	445	14802	10709	72	1810	55203	37344	68	1373	54727	41464	76
AVNIR-2		Desce	603	11174	8937	79	1690	32237	24889	77	1146	21353	18348	85

Asc **FBS** : 81%

ScanSAR Wetlands: 76%

Asc **FBS** : 78%

ScanSAR Wetlands: 63%

Asc **POL** : 84%

ScanSAR Wetlands: 76%

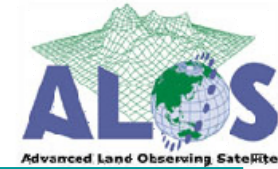
Total (cycles 7-26)

			Cycle7-26(2006/10/20~2009/4/26)			
			req[id]	req[scene]	obs[scene]	obs rate[%]
PALSAR	Asce		20216	370074	280669	76
	Desce		10782	81863	59666	73
		ScanSAR Wetlands	7569	43957	27461	62
PRISM	Desce		13860	917479	585460	64
AVNIR-2	Desce		10927	203560	151043	74

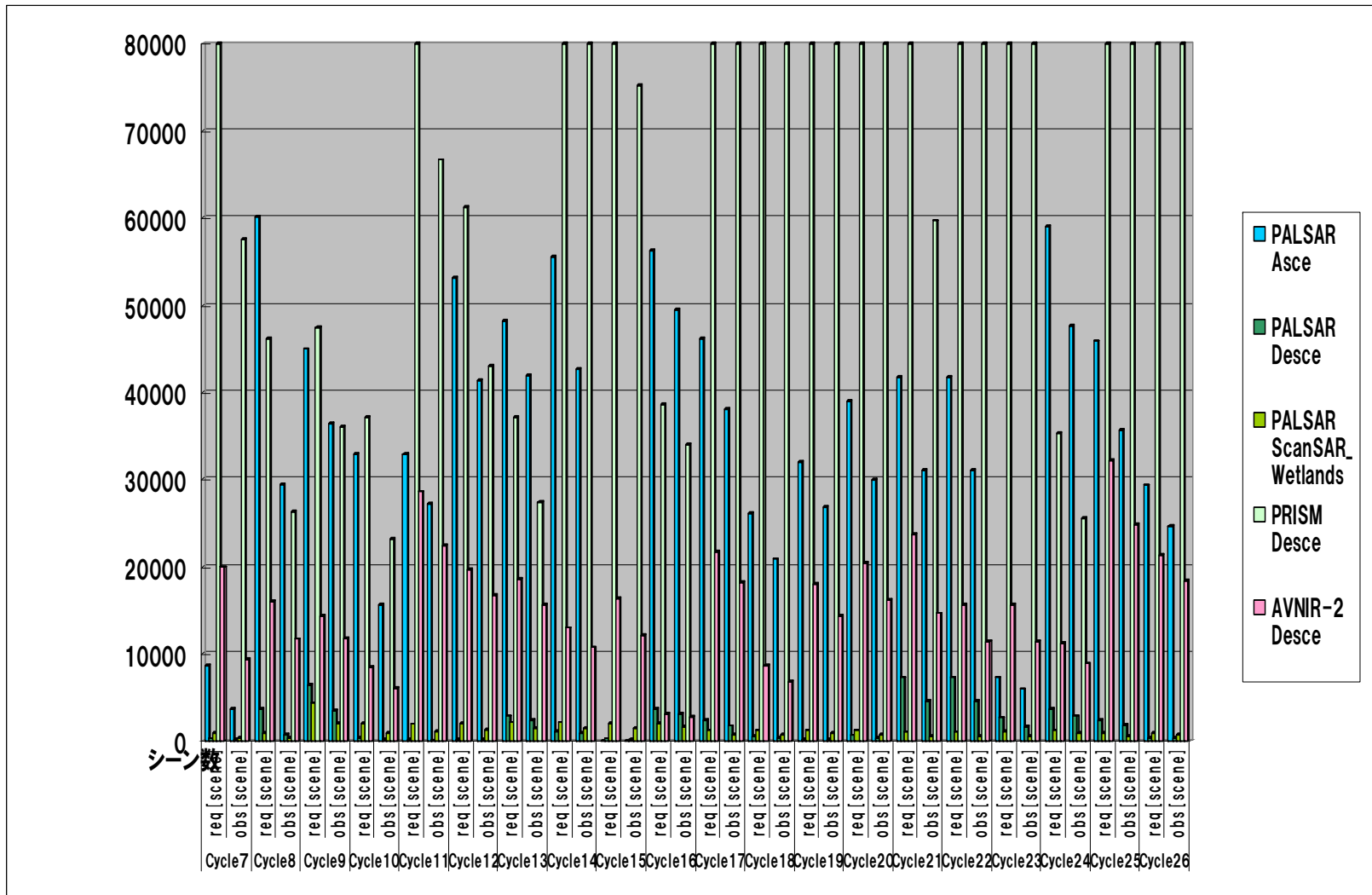
Asc **FBS/FBD/POL** : 76%

ScanSAR Wetlands: 63%

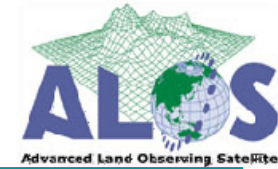
Scenario requests acquisition status (2/3)



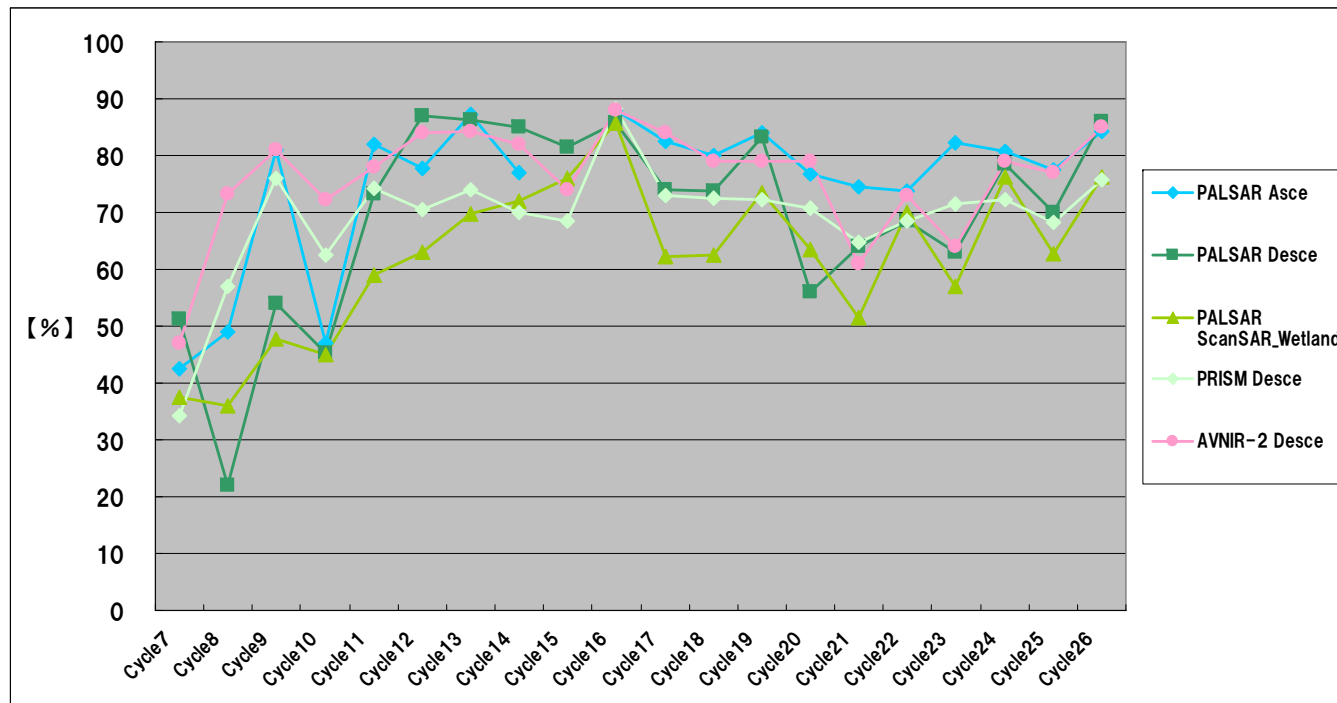
Scenario results (Scene number)



Scenario requests acquisition status (3/3)



Scenario observation success rate

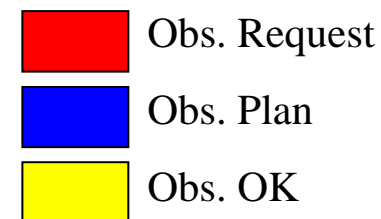
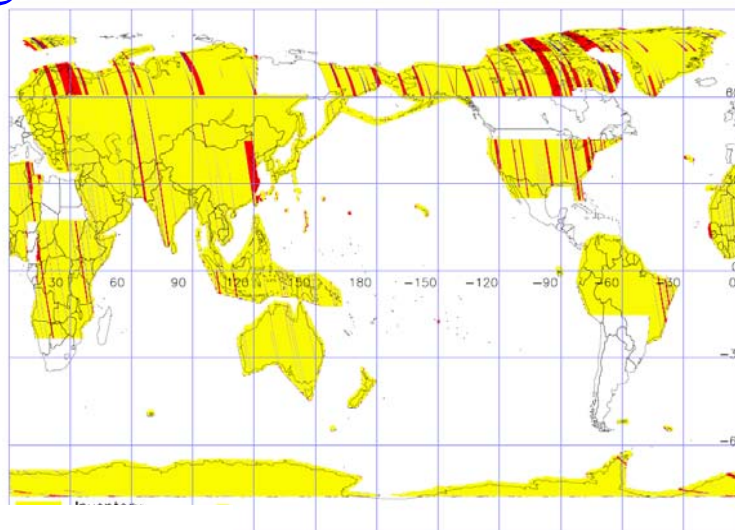


	Period	
Cyale7	20061020	20061204
Cyale8	20061205	20070119
Cyale9	20070120	20070306
Cyale10	20070307	20070421
Cyale11	20070422	20070606
Cyale12	20070607	20070722
Cyale13	20070723	20070906
Cyale14	20070907	20071022
Cyale15	20071023	20071207
Cyale16	20071208	20080122
Cyale17	20080123	20080308
Cyale18	20080309	20080423
Cyale19	20080424	20080608
Cyale20	20080609	20080724
Cyale21	20080725	20080908
Cyale22	20080909	20081024
Cyale23	20081025	20081209
Cyale24	20081210	20090124
Cyale25	20090125	20090311
Cyale26	20090312	20090426
Cyale27	20090427	20090611
Cyale28	20090612	20090727
Cyale29	20090728	20090911
Cyale30	20090912	20091027

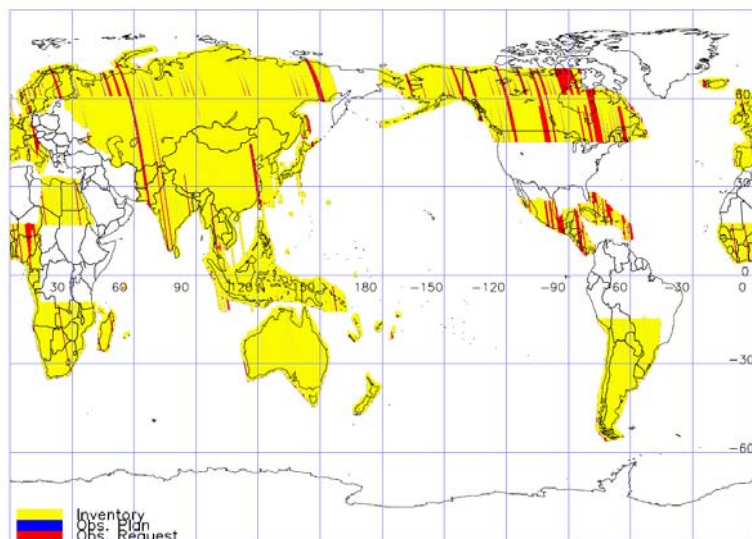
Acquisition status on a map (1/3)



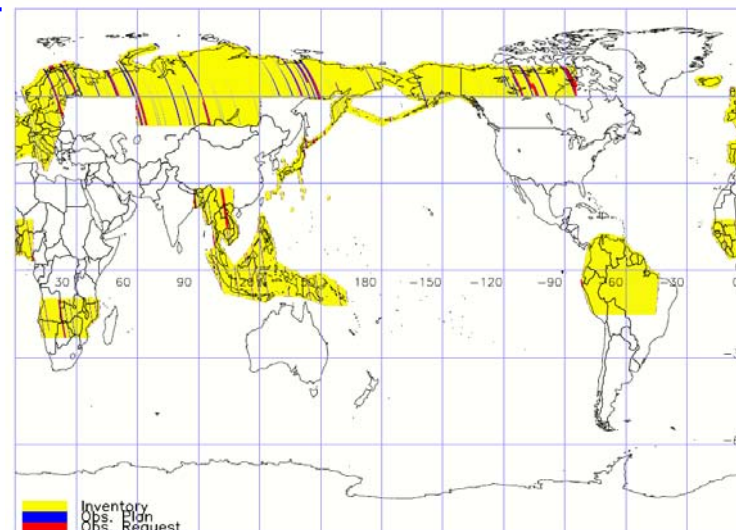
PALSAR Ascending



Cycle24

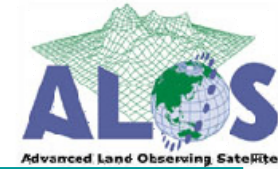


Cycle25

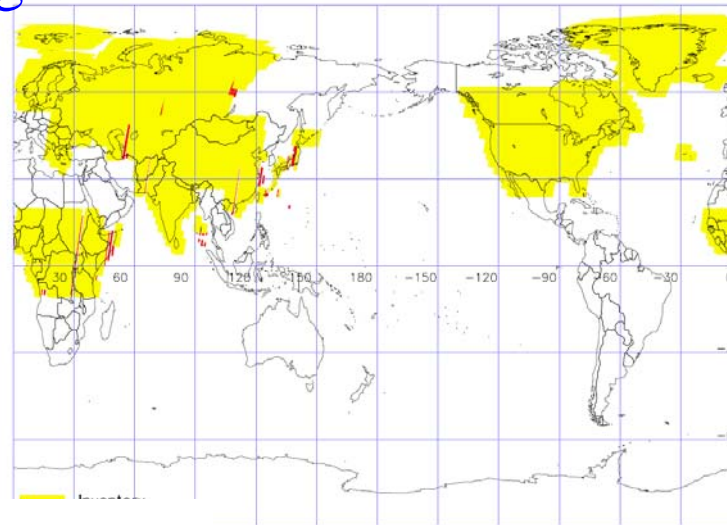


Cycle26

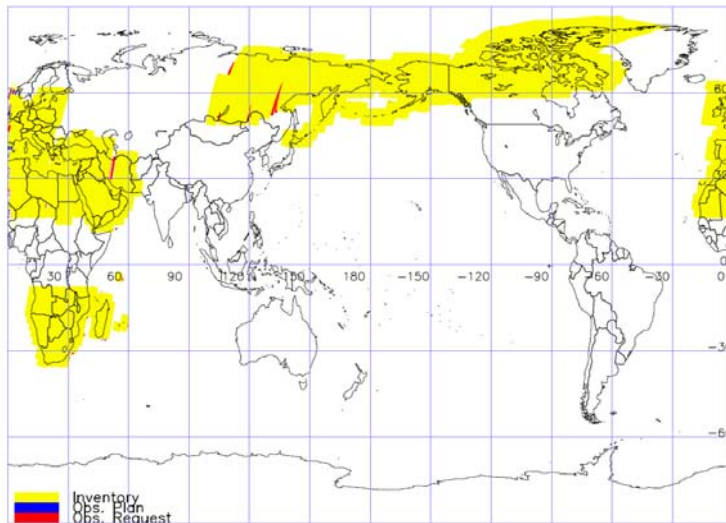
Acquisition status on a map (2/3)



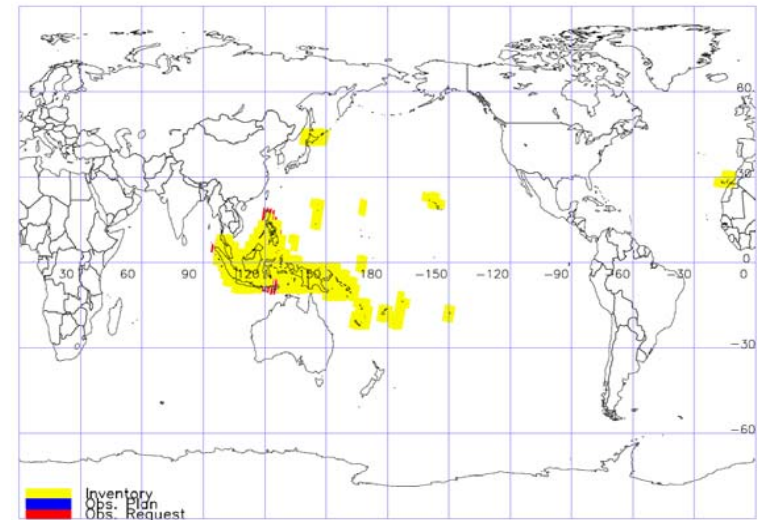
PALSAR Descending



Cycle24

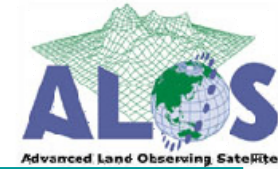


Cycle25

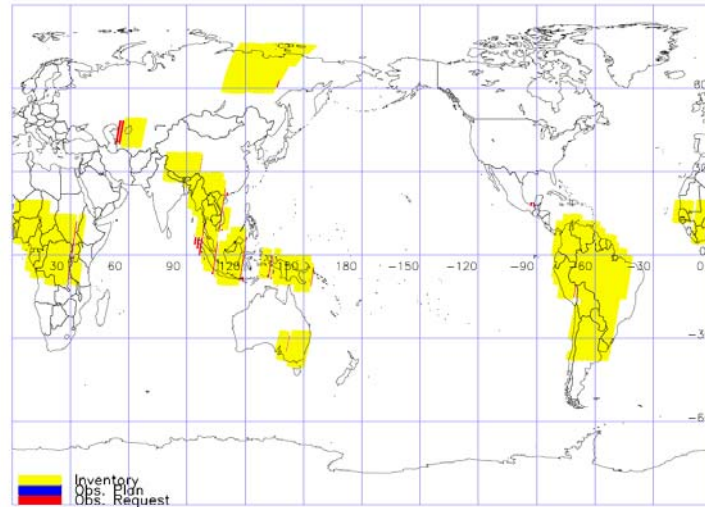


Cycle26

Acquisition status on a map (3/3)

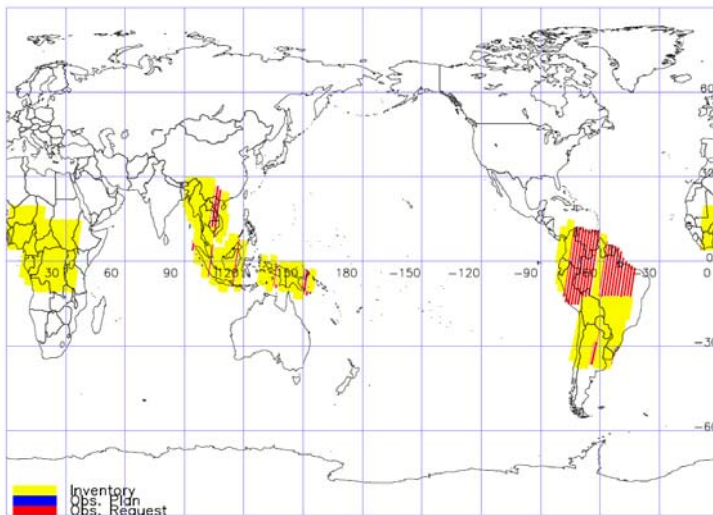


PALSAR Descending (ScanSAR_Wetlands)

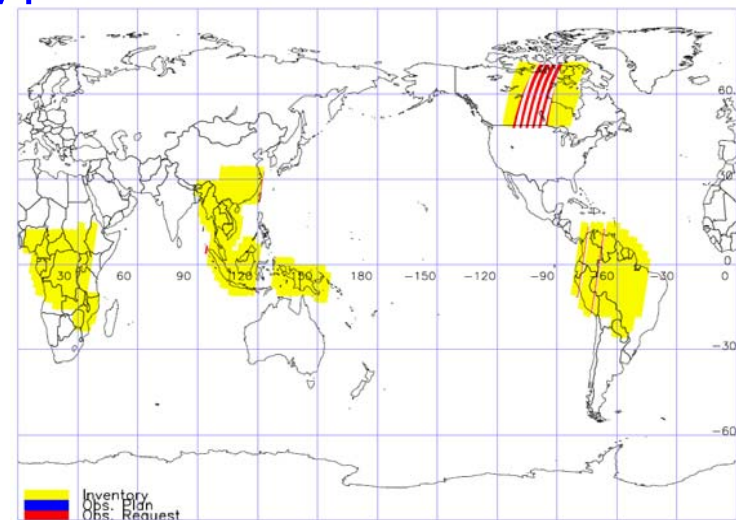


- Obs. Request
- Obs. Plan
- Obs. OK

Cycle24

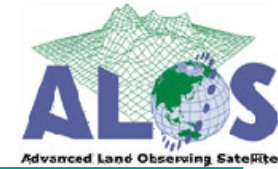


Cycle25



Cycle26

Future (1/3)



Scenario update: **What are the plans for the revision of the BOS?**

⇒ We make use of the base that we used BOS till now.

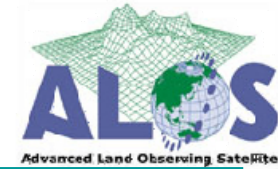
Forest area will observe FBS and FBD for summer and winter,
ScanSAR for all season.

Now, we examine BOS until cycle 40

Acquisition gap-filling: **What are the EORC procedures to fill in gaps from missed acquisitions?**

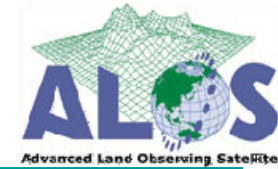
⇒ We intend to make an effort to fill a gap next cycle.

Future (2/3)



- DRTS status: Please include something about the plans for capacity sharing of DRTS with ISS/JEM. When will it start and what is the expected impact on ALOS downlink?
- 1) The division of the use path
 - The priority standard of the path
 - ALOS: When a visible range conflicted ALOS and JEM, It give priority to ALOS basically
 - JEM: In the case of the path where JEM accumulates communication data (for 8-11 hours), It give priority to JEM
 - The result of simulation
 - ALOS: 792 hours for 86 days (average 9.2 hours per day) cut 9.6% (average 20 minutes per day)
 - JEM; 127 hours for 86 days (average 1.5 hours per day)
- TDRSS status: As Shimada-san for some information about the use of the NASA TDRSS satellite for downlink over White Sands.
-
- 2009/6 It will decide with interface specifications between NASA and JAXA.
- 2010/3 Preliminary operation
- 2010/4 A full-scale operation start

Future (3/3)



>Please check scenario observation plan in future (~Cycle30)

http://www.eorc.jaxa.jp/ALOS/obs/alos_scenario/palsar_asc/palsar_asc.htm

http://www.eorc.jaxa.jp/ALOS/obs/alos_scenario/palsar_desc/palsar_desc.htm