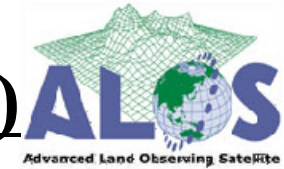


ALOS Kyoto & Carbon Initiative Science Team sub-meeting #11 January.13

Emi Aoki & Fumi Ohgushi
RESTEC

1. Scenario requests acquisition status.
2. Acquisition status on a map
3. Future

Scenario requests acquisition status (1/3)



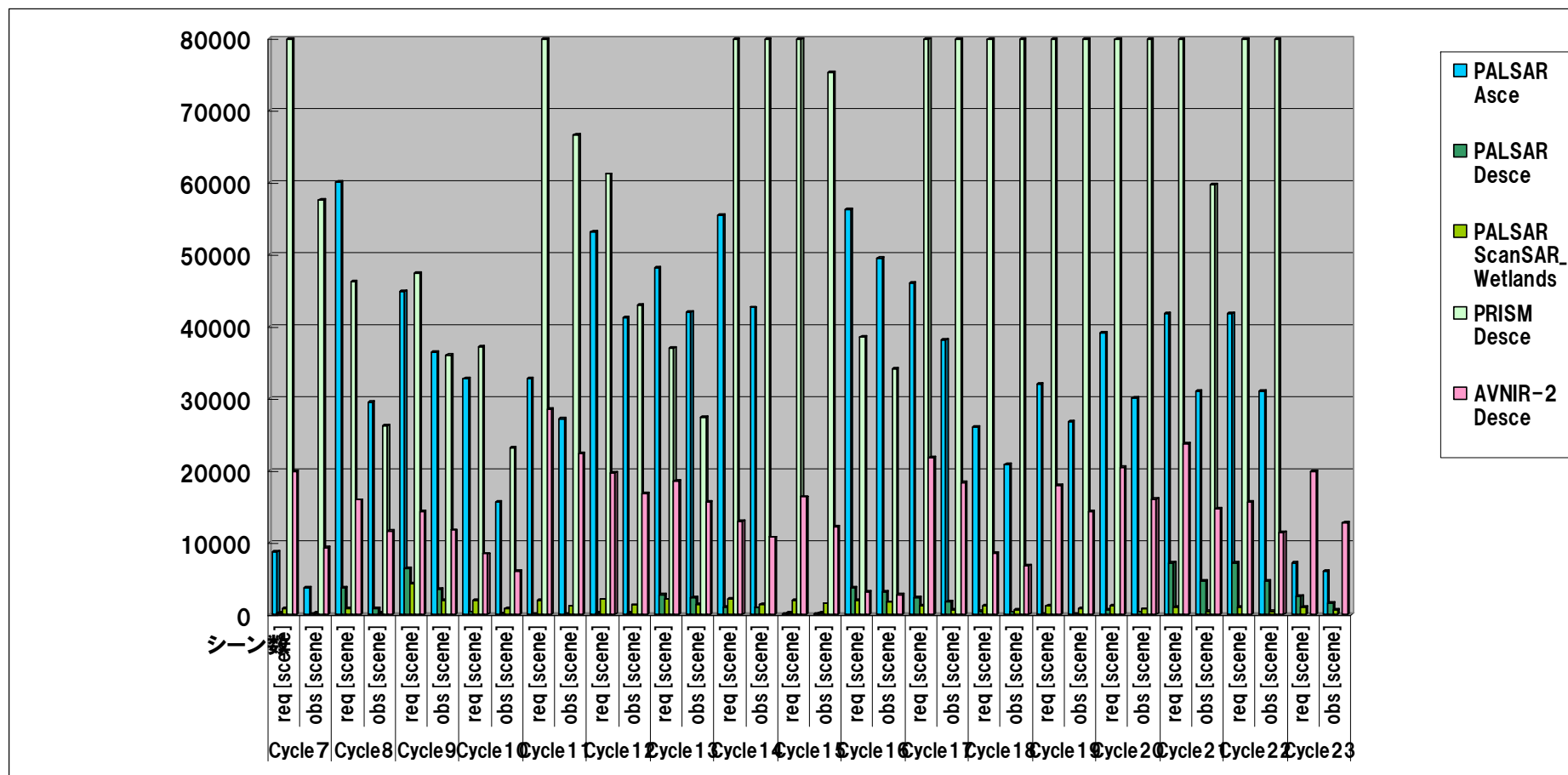
Scenario results (Total)

			Cycle7-23(2006/10/20~2008/12/9)			
			req[id]	req[scene]	obs[scene]	obs rate[%]
PALSAR	Asce		38300	713314	481668	68
	Desce		5231	34896	23959	69
	Desce	ScanSAR_Wetlands	4475	25930	16355	63
PRISM	Desce		23867	945362	597254	63
AVNIR-2	Desce		14252	261425	196822	75

Scenario requests acquisition status (2/3)



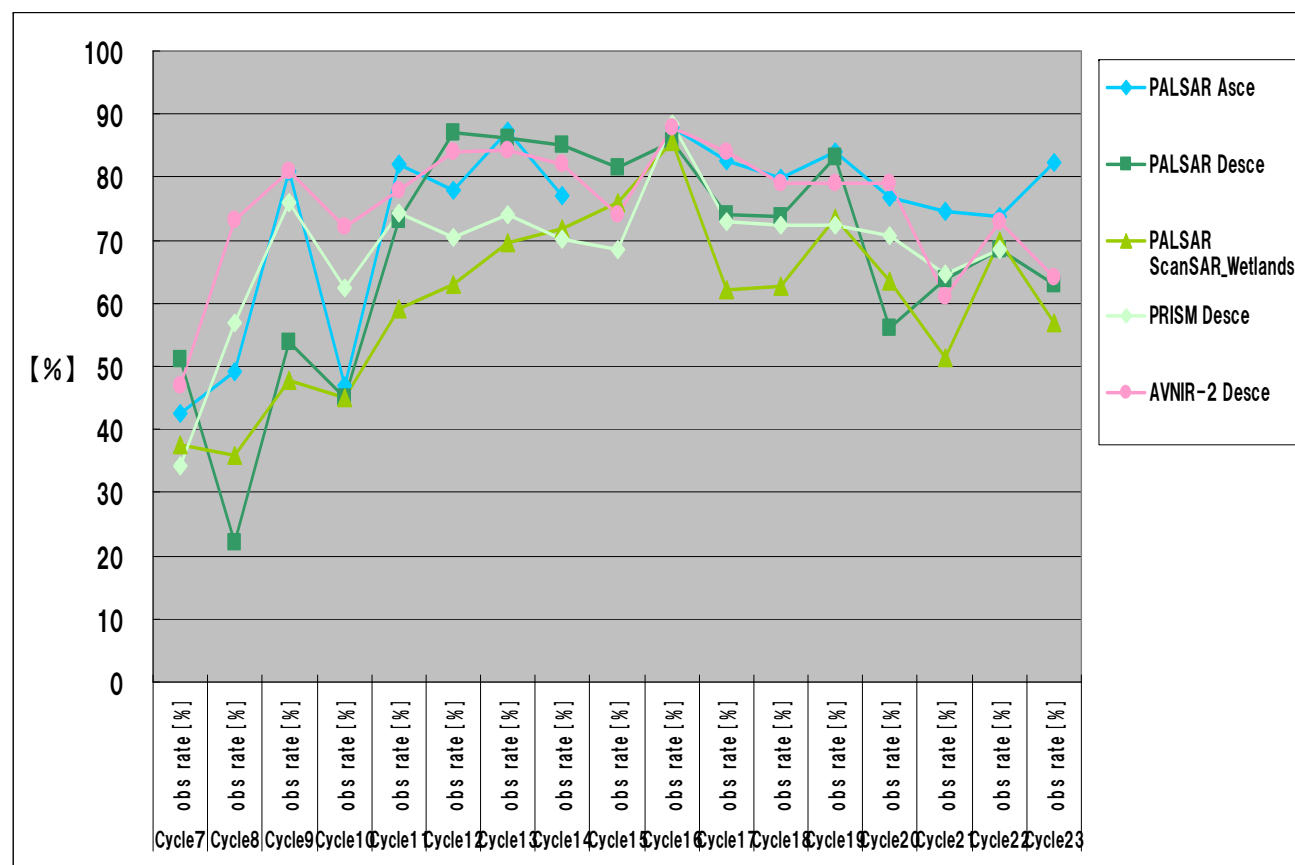
Scenario results (Scene number)



Scenario requests acquisition status (3/3)

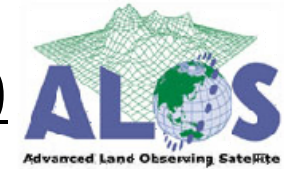


Scenario observation rate

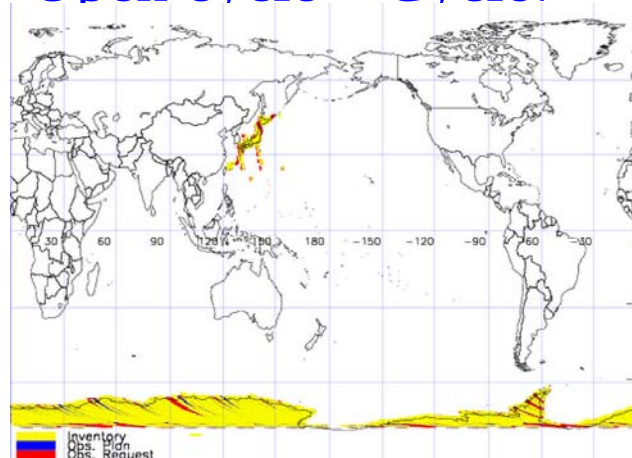


Cycle #	Start date	
1	24-Jan-06	
2	4-Mar-06	
3	19-Apr-06	
4	4-Jun-06	
5	20-Jul-06	
6	4-Sep-06	
7	20-Oct-06	
8	5-Dec-06	
9	20-Jan-07	
10	7-Mar-07	
11	22-Apr-07	
12	7-Jun-07	
13	23-Jul-07	
14	7-Sep-07	
15	23-Oct-07	
16	8-Dec-07	
17	23-Jan-08	
18	9-Mar-08	
19	24-Apr-08	
20	9-Jun-08	
21	25-Jul-08	
22	9-Sep-08	
23	25-Oct-08	
24	10-Dec-08	
25	25-Jan-09	
26	12-Mar-09	
27	27-Apr-09	
28	12-Jun-09	
29	28-Jul-09	
30	12-Sep-09	

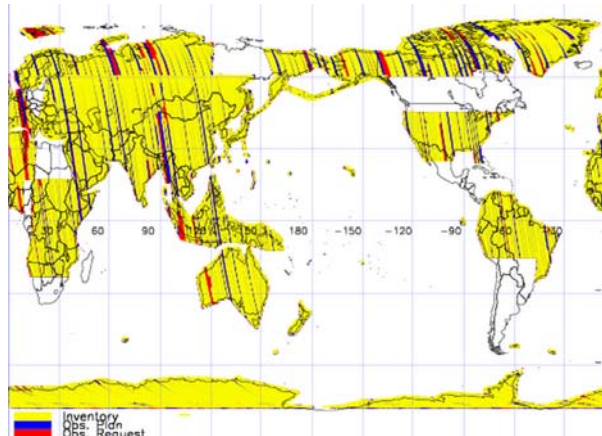
Scenario acquisition status – Asc. Fine Beam (1/4)



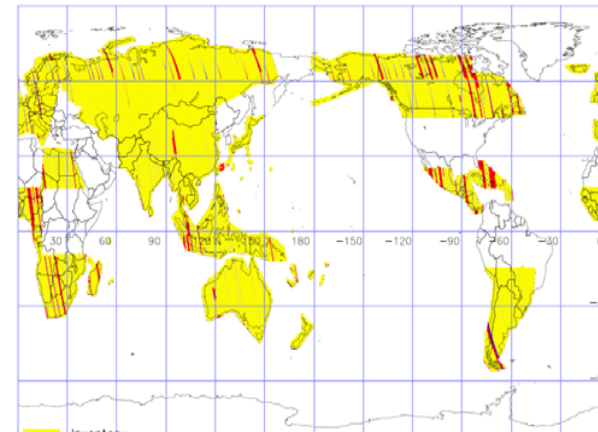
Open cycle Cycle7



FBS Cycle 8-9



Cycle8



Cycle9



Obs. Request

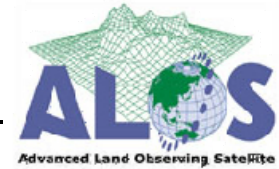


Obs. Plan

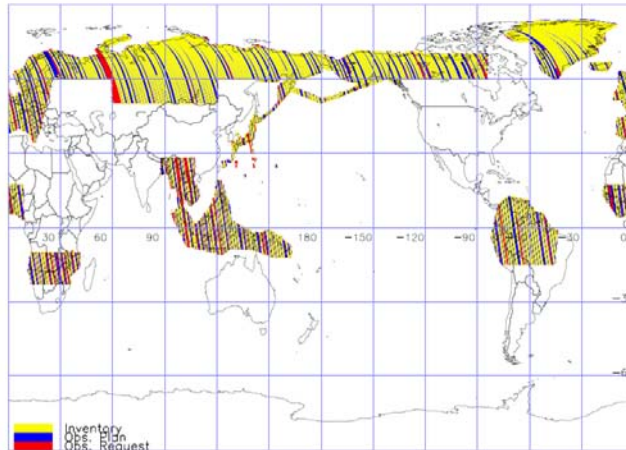


Obs. OK

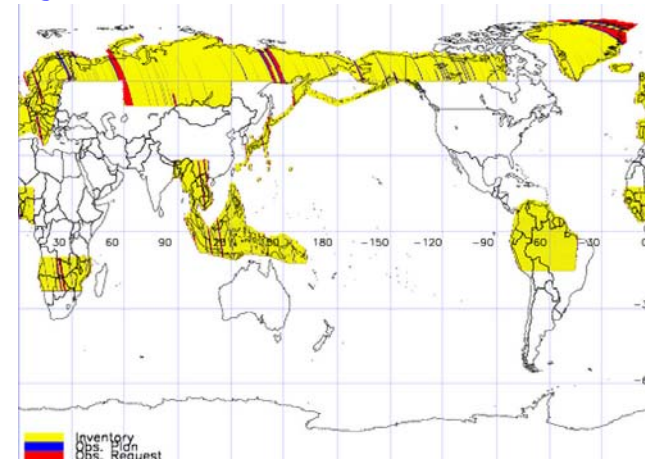
Scenario acquisition status – Asc. Fine Beam (2/4)



Full pol 21.5 Cycle10-11

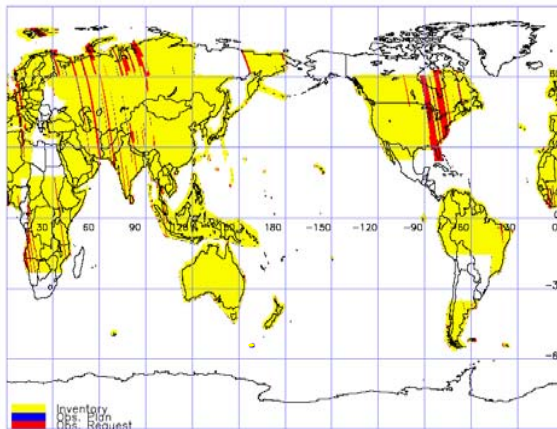


Cycle10

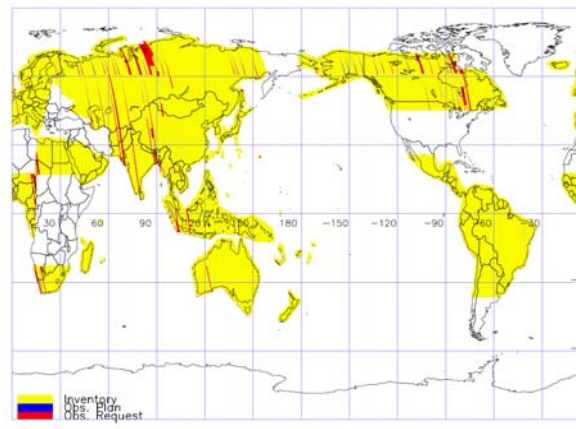


Cycle11

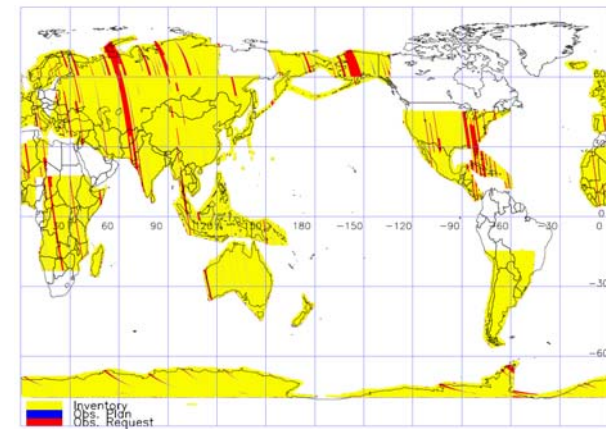
FBD Cycle 12-14



Cycle12



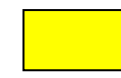
Cycle13



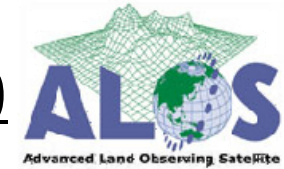
Cycle14

 Obs. Request

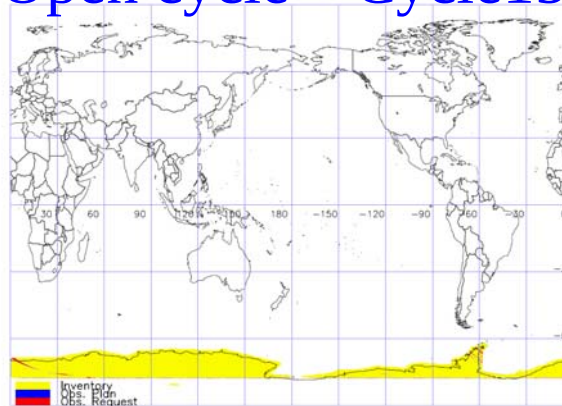
 Obs. Plan

 Obs. OK

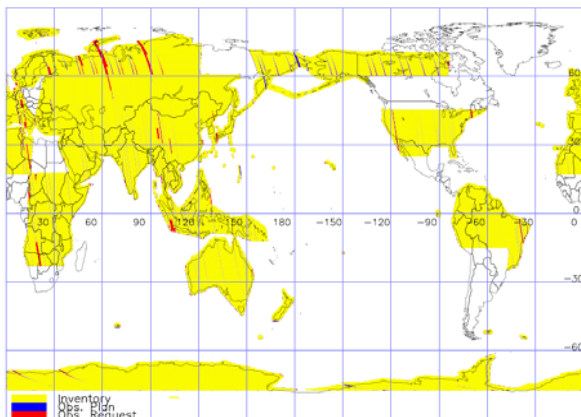
Scenario acquisition status – Asc. Fine Beam (3/4)



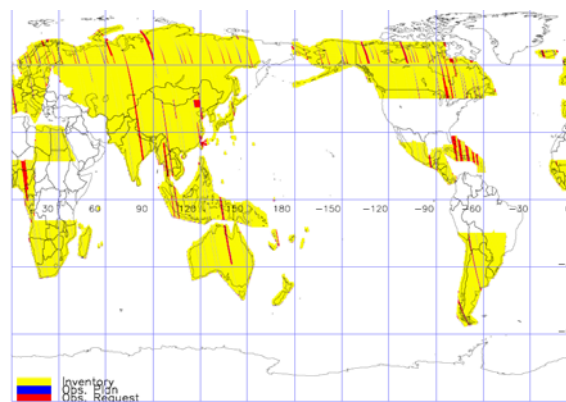
Open cycle Cycle15



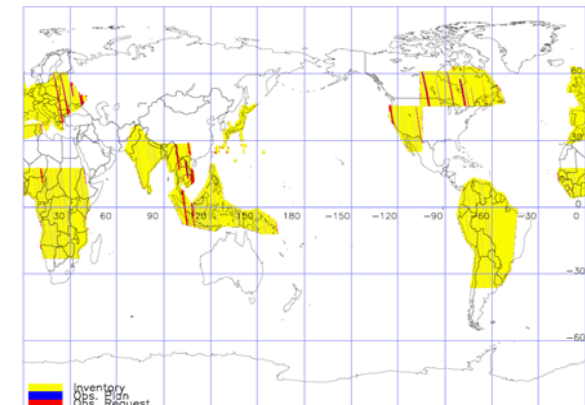
FBS Cycle 16-18



Cycle16



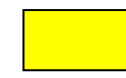
Cycle17



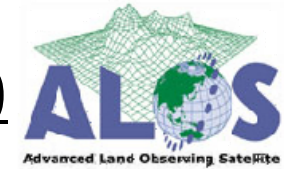
Cycle18

 Obs. Request

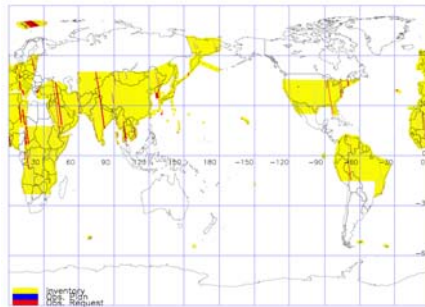
 Obs. Plan

 Obs. OK

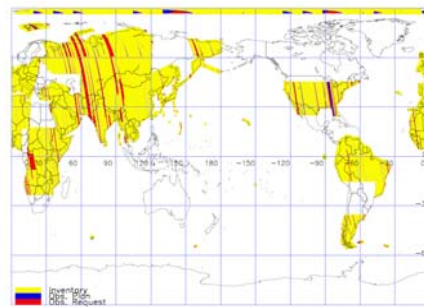
Scenario acquisition status – Asc. Fine Beam (4/4)



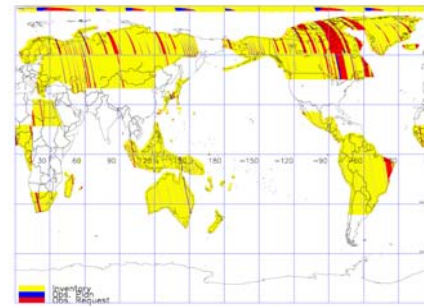
PALSAR Ascending Cycle19-22 FBD34.3



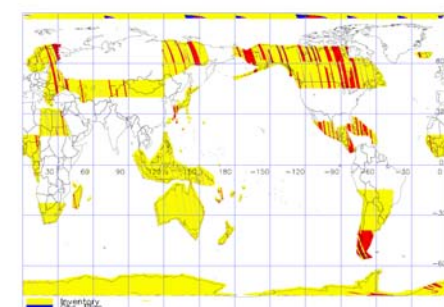
Cycle19



Cycle20

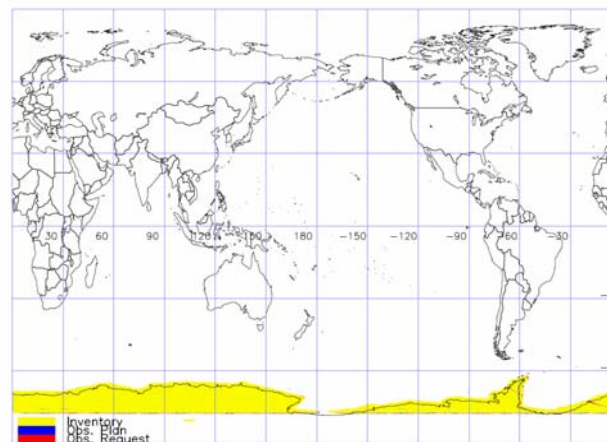


Cycle21



Cycle22

PALSAR Ascending Cycle23



Obs. Request



Obs. Plan

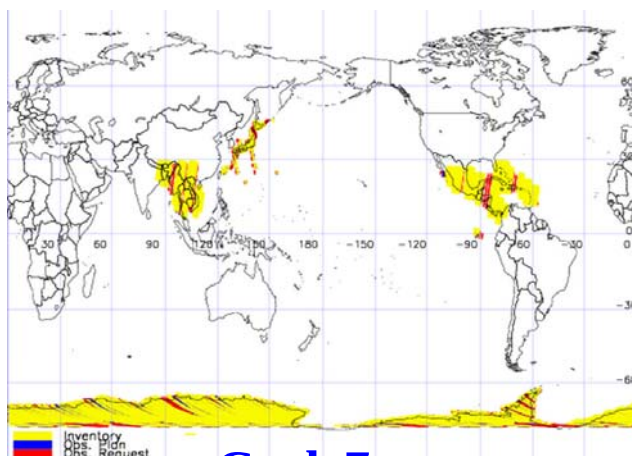


Obs. OK

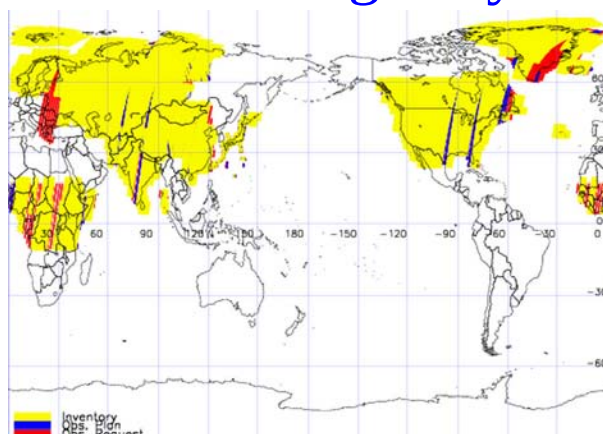
Acquisition status on a map (4/9)



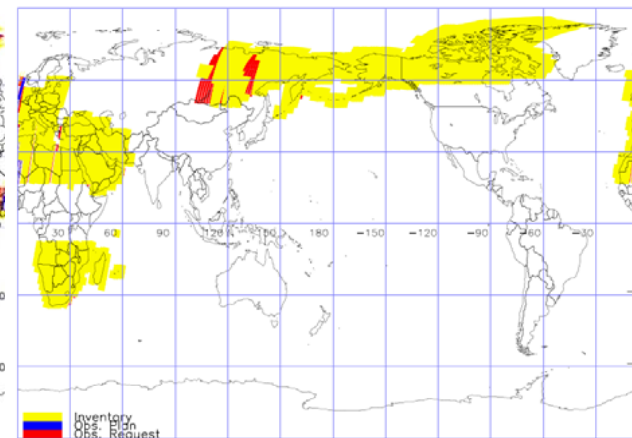
PALSAR Descending Cycle7-12



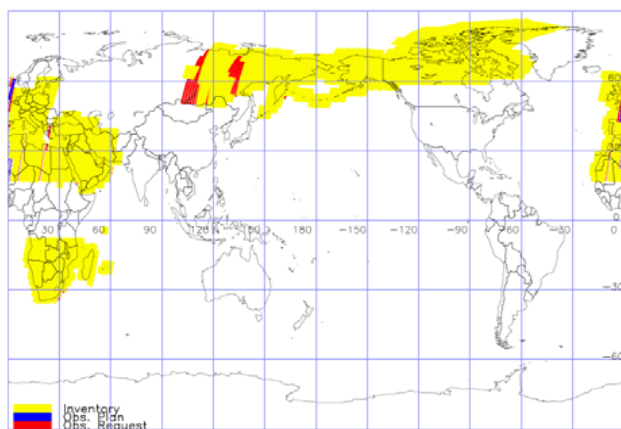
Cycle7



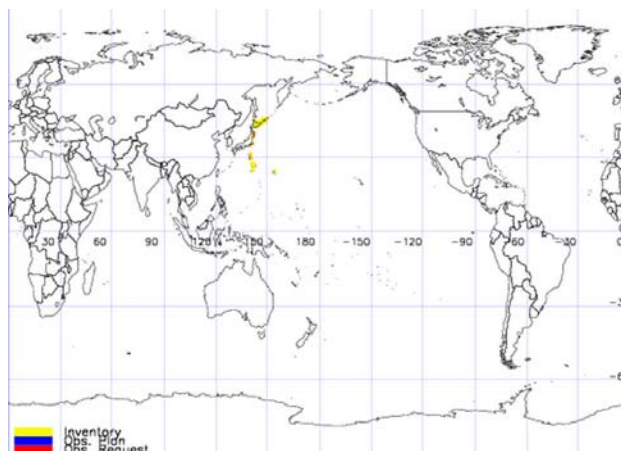
Cycle8



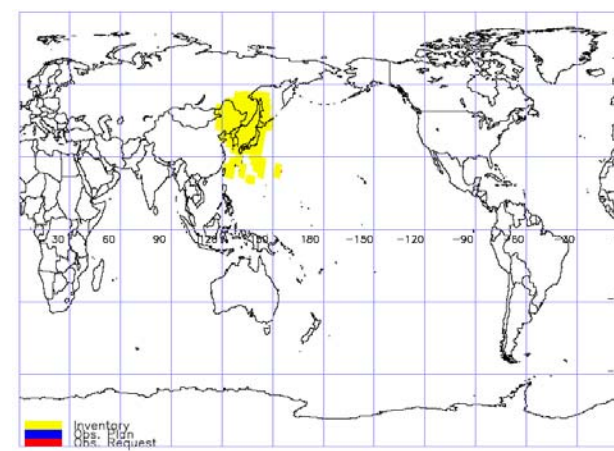
Cycle9



Cycle10



Cycle11



Cycle12



Obs. Request



Obs. Plan

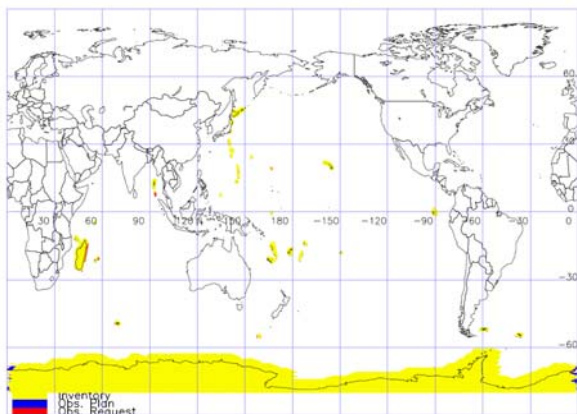


Obs. OK

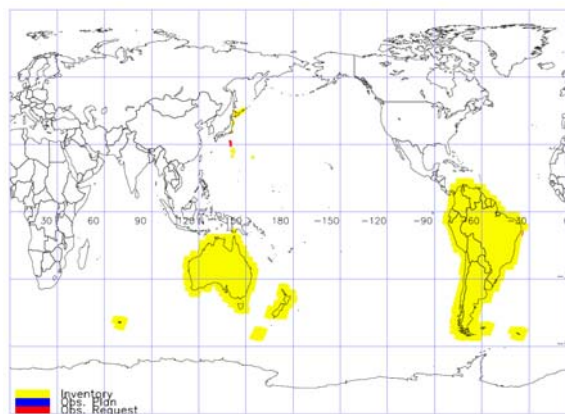
Acquisition status on a map (5/9)



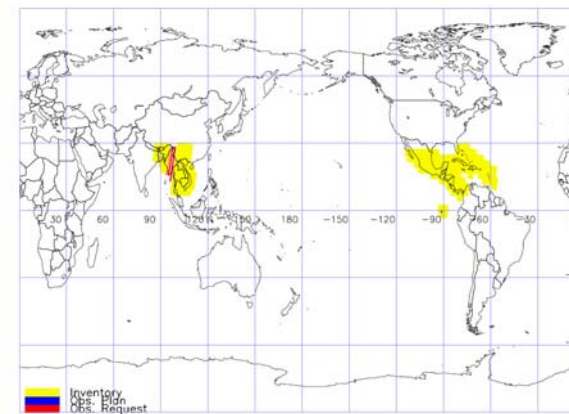
PALSAR Descending Cycle13-18



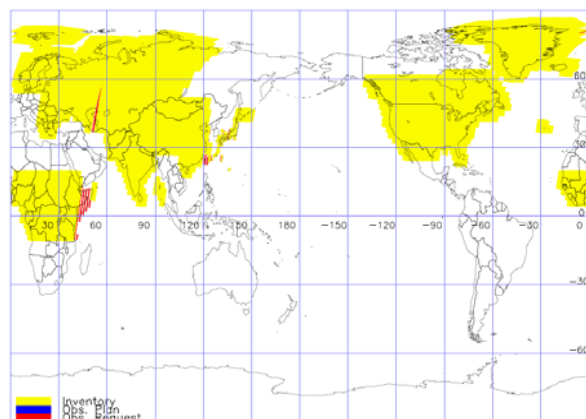
Cycle13



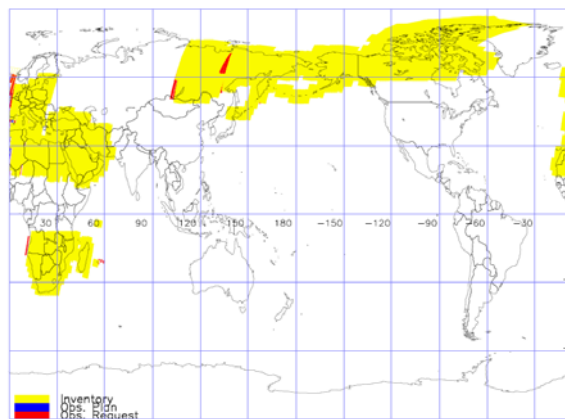
Cycle14



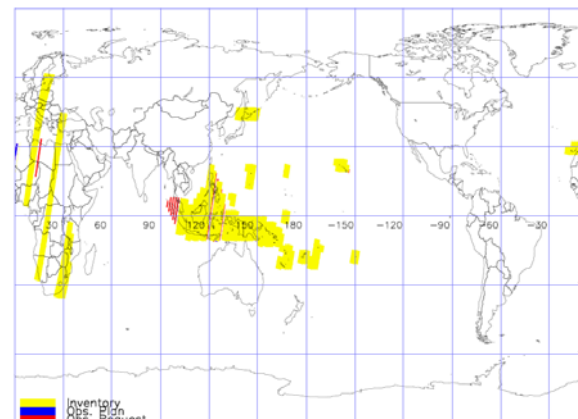
Cycle15



Cycle16



Cycle17



Cycle18



Obs. Request

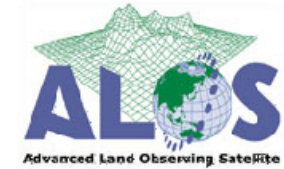


Obs. Plan

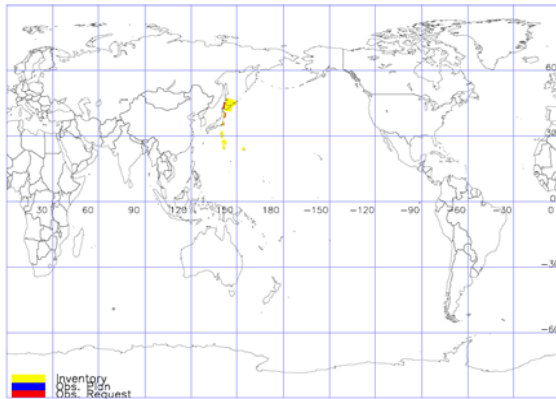


Obs. OK

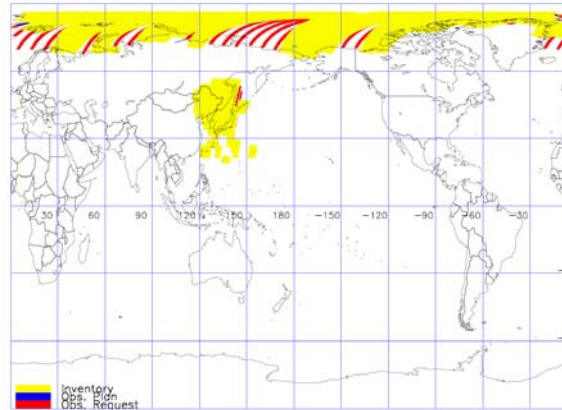
Acquisition status on a map (6/9)



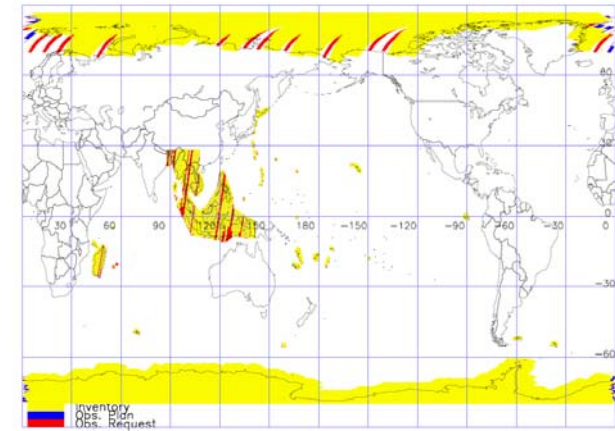
PALSAR Descending Cycle19-23



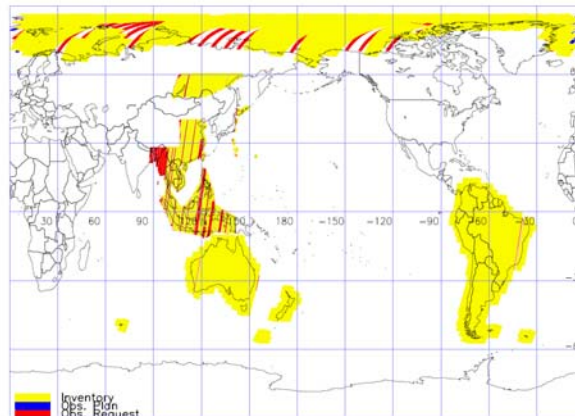
Cycle19



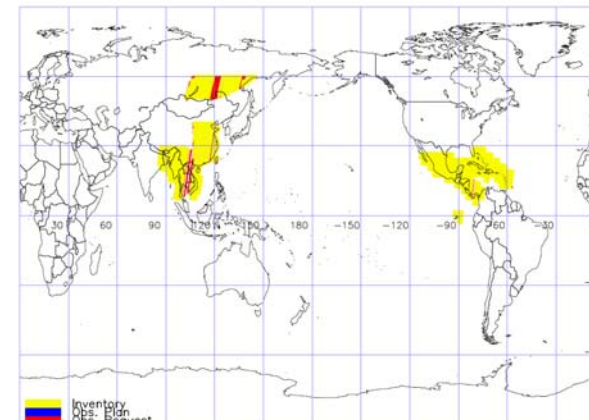
Cycle20



Cycle21



Cycle22



Cycle23



Obs. Request



Obs. Plan

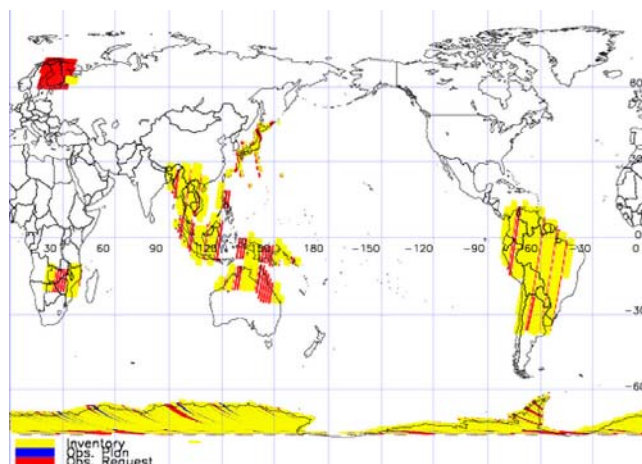


Obs. OK

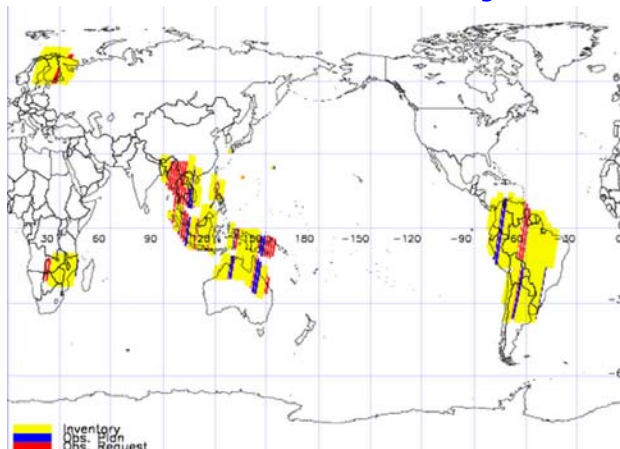
Acquisition status – Desc. ScanSAR (1/3)



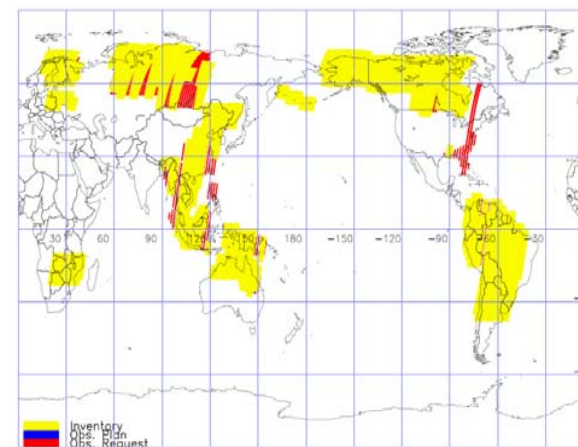
ScanSAR_Wetlands Cycle 7-12



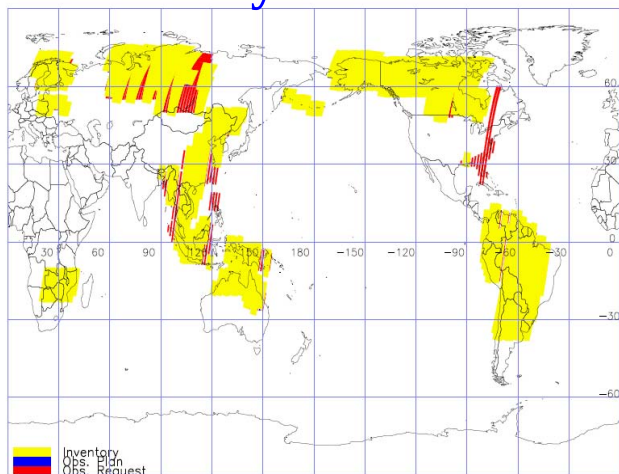
Cycle7



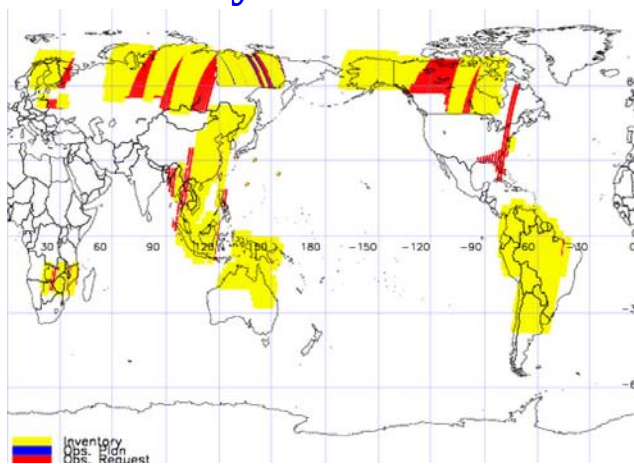
Cycle8



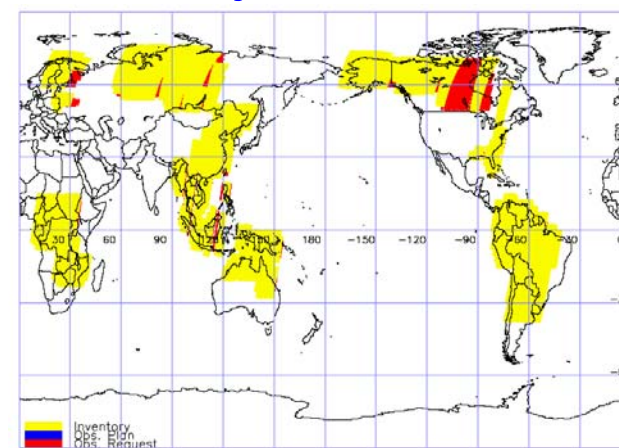
Cycle9



Cycle10



Cycle11



Cycle12



Obs. Request



Obs. Plan

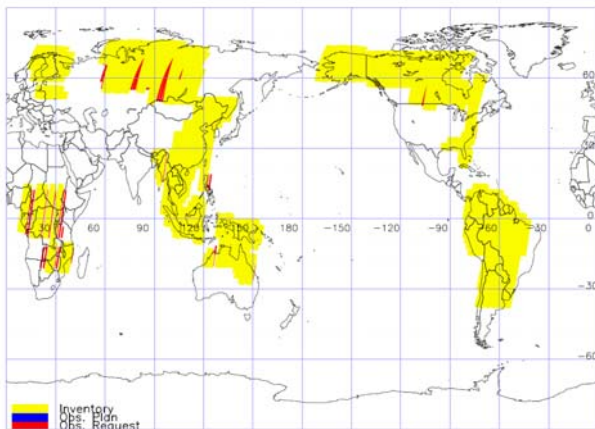


Obs. OK

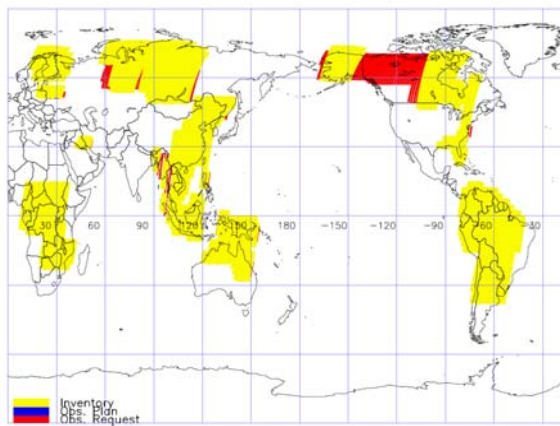
Acquisition status – Desc. ScanSAR (2/3)



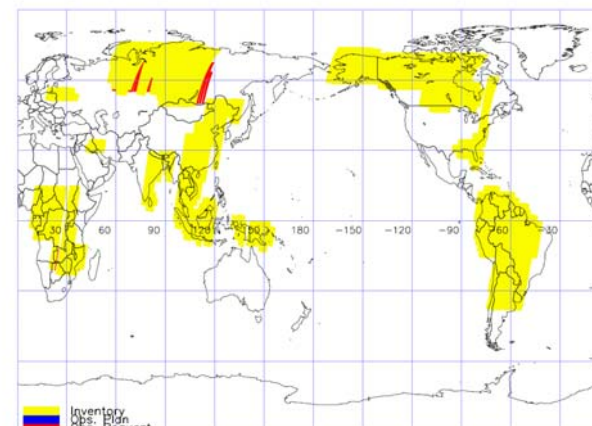
ScanSAR_Wetlands Cycle 13-18



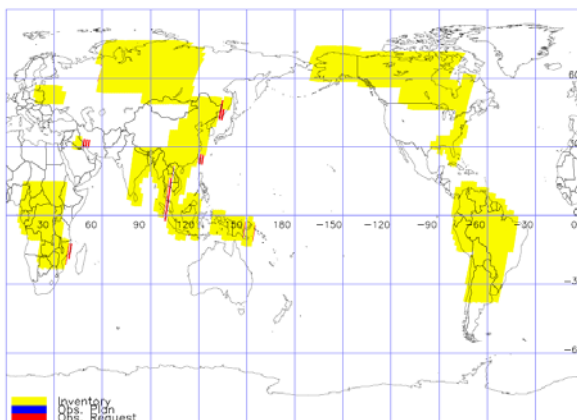
Cycle13



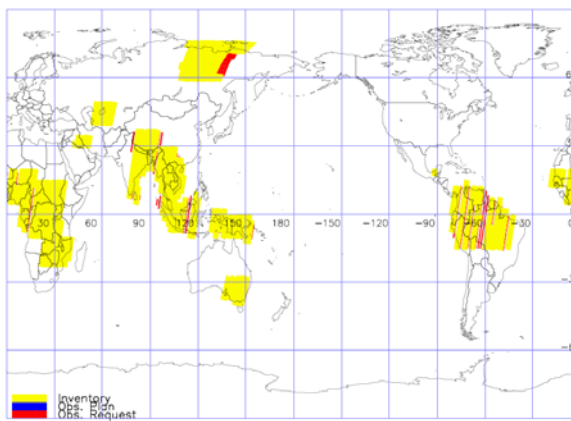
Cycle14



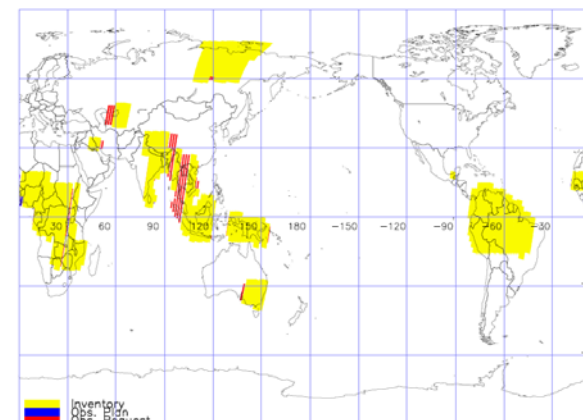
Cycle15



Cycle16



Cycle17



Cycle18



Obs. Request



Obs. Plan

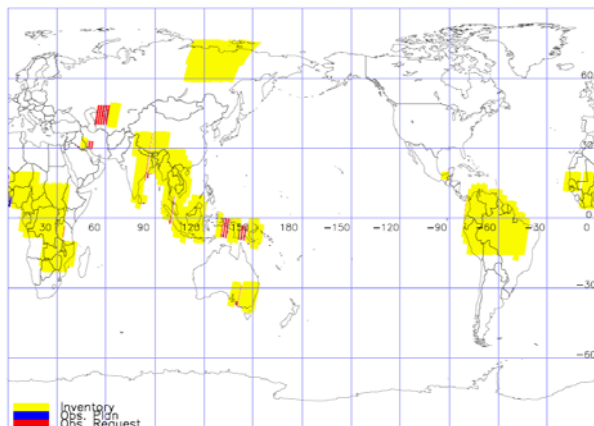


Obs. OK

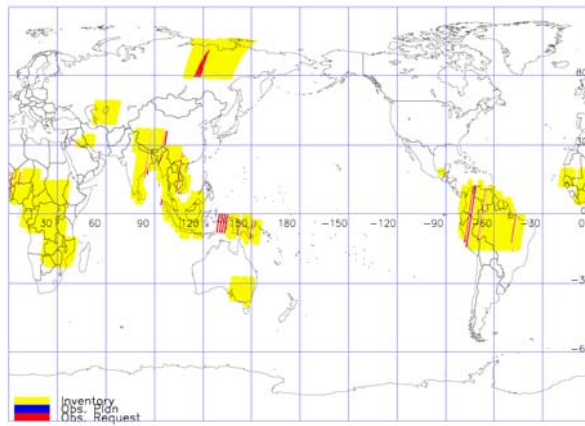
Acquisition status – Desc. ScanSAR (3/3)



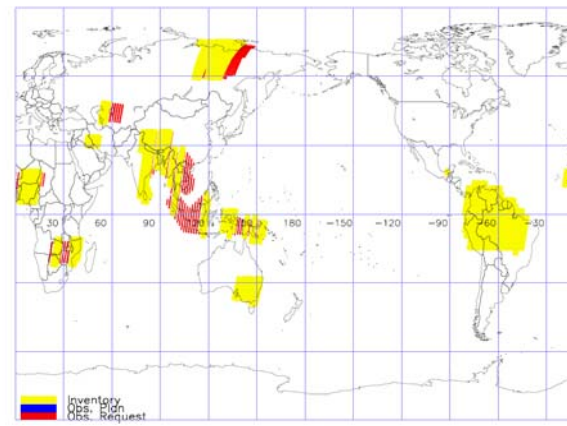
ScanSAR_Wetlands Cycle 19-23



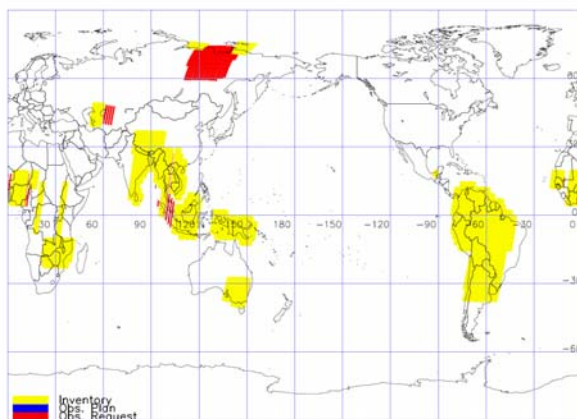
Cycle19



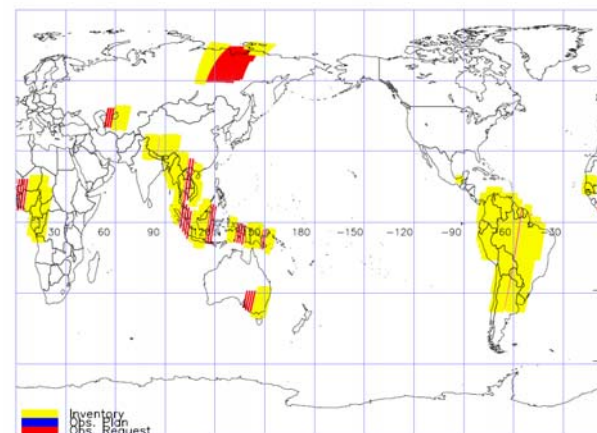
Cycle20



Cycle21



Cycle22



Cycle23



Obs. Request



Obs. Plan



Obs. OK

Future



>Please check scenario observation plan in future

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

Basic Observation Strategy – PALSAR Ascending

Present plan in operation until cycle 30 (Oct. 27, 2009)

Year Month Satellite cycle		2007												2008												2009													
		12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
Siberia NW	A1																																						
Siberia N-central	A2																																						
Siberia NE	A3																																						
Kanchatka	A4																																						
Siberia S/W																																							
Siberia S-central																																							
Siberia SE																																							
Caspian Sea																																							
Central Asia																																							
Himalayas																																							
China East																																							
Korea																																							
Aleutian W																																							
Japan																																							
India																																							
Peninsular SE-Asia																																							
Insular SE-Asia																																							
PNG																																							
Australia N&E																																							
Australia arid																																							
Australia S&E																																							
New Zealand																																							
Greenland																																							
Iceland																																							
Europe N																																							
Europe S/W																																							
Europe central																																							
Europe E																																							
Middle East																																							
Arabia																																							
Morocco																																							
Sahara W																																							
Sahara E																																							
W. Africa																																							
C. Africa W																																							
C. Africa E																																							
Somalia																																							

Potential changes :

ONE global coverage/year (FBD May-Sept) guaranteed

TWO pan-tropical coverages/year
(FBD May-Sept & FBD Dec-Feb)

InSAR coverage (46-days May/Sept) over selected regions

Automatic gap-filling of missed passes

ScanSAR Wetlands Draft plan for 2009-2011

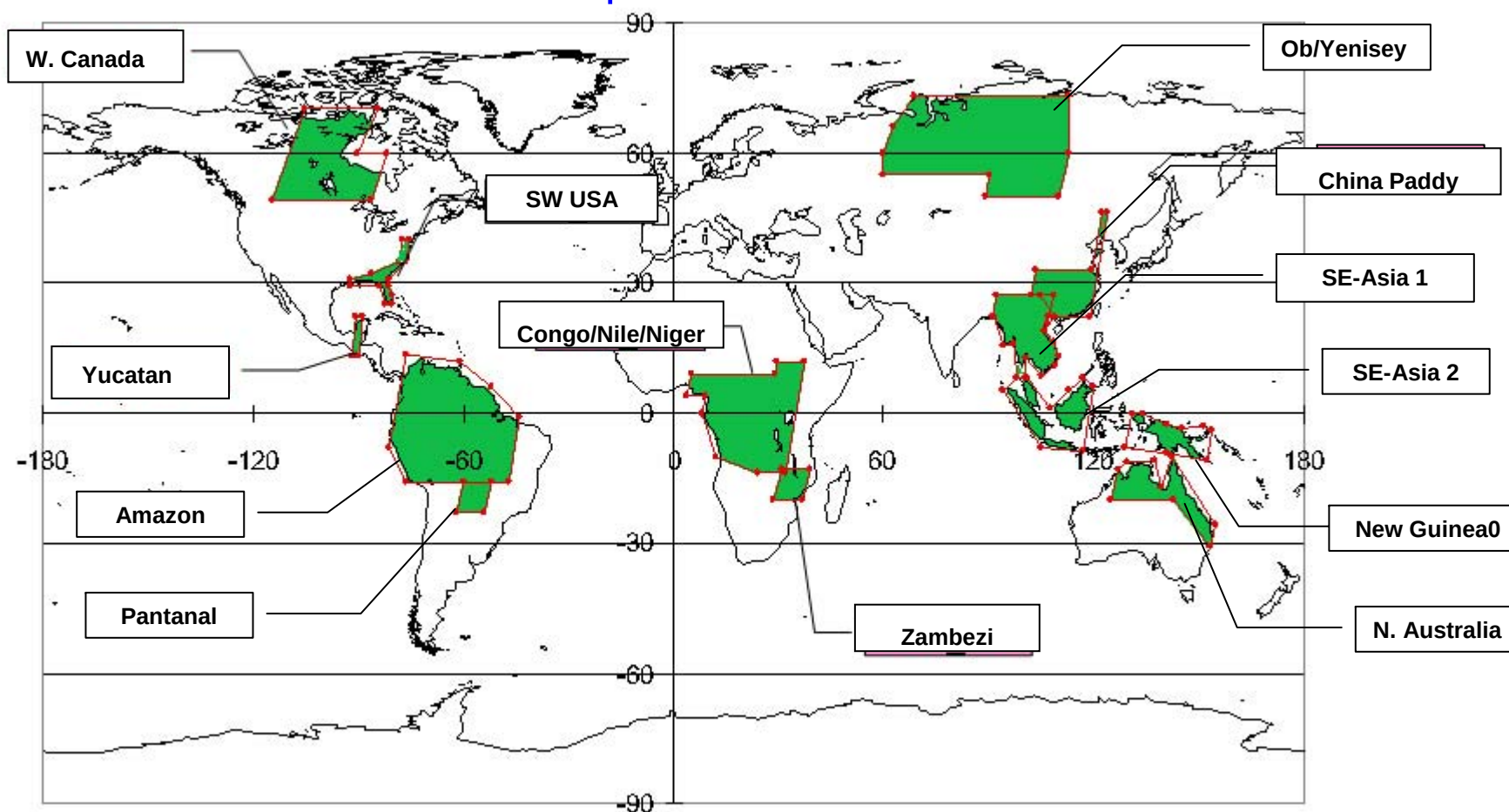
- Request from JAXA to reduce ScanSAR observations
 - Sharing descending mission resources with PRISM and AVNIR-2
 - Way to improve success rate for remaining ScanSAR observations
- Wetlands scenario modified according to KC#10 Wetland Theme discussions
 - 14 areas discontinued; 8 modified; 5 unchanged
 - Tropical zone coverage dual purpose: wetlands and forest

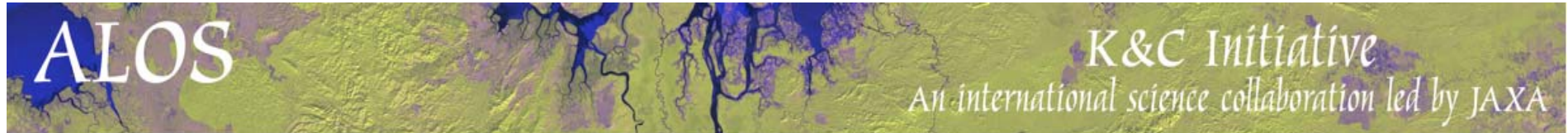
No change
Modified
Discontinued

[illegible]

ScanSAR Wetlands

Draft plan for 2009-2011





**Modifications to the future observation strategies
to be discussed further in Phase 2 sessions (Thursday/Friday)**