

ALOS-2

Basic Observation Scenario

Update

January 23, 2018
JAXA/EORC

1-1 BOS (Global) – [2014/08 – 2016/07]

1st Year

Cycle	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
Year	2014												2015														
Month/Day	08/04	08/18	09/01	09/15	09/29	10/13	10/27	11/10	11/24	12/08	12/22	01/05	01/19	02/02	02/16	03/02	03/16	03/30	04/13	04/27	05/11	05/25	06/08	06/22	07/06	07/20	
Descending	Crustal Wetland Deforest	Glacier Super Site	Crustal Wetland Deforest	Glacier Super Site	sub-Arctic Super Site	Crustal Wetland Deforest	Global 3m (1/3)		Crustal Wetland Deforest	Global 3m (1/3)		Crustal Wetland Deforest		sub-Arctic Super Site	Crustal Wetland Deforest	Crustal&Forest 14-day InSAR		Crustal Wetland Deforest	Crustal&Forest 14-day InSAR		Crustal Wetland Deforest	Crustal&Forest 14-day InSAR		Crustal Wetland Deforest	sub-Arctic Super Site	Crustal Wetland Deforest	
	W2 (2)R		W2 (2)R		V2(2)R	W2 (2)R	U2 (6)R	U2 (7)R	W2 (2)R	U2 (8)R	U2 (9)R	W2 (2)R		V2(2)R	W2 (2)R	F2 (5)R	F2 (5)R	W2 (2)R	F2 (6)R	F2 (6)R	W2 (2)R	F2 (7)R	F2 (7)R	W2 (2)R	V2(2)R	W2 (2)R	
		F2(6)L		F2(6)L																							
Ascending	Crustal	Polar	World 1-1(10m)					World 2-1(10m)			Polar	North Polar	World 1-2(10m)			GR Super Site	GR Super Site	Global FP6m (1/5)						World 2-2(10m)			
	W2 (2)R	W2(2)R	F2 (7)R	F2 (5)R	F2 (6)R			F2 (7)R	F2 (5)R	F2 (6)R	W2(2)R	W2(2)R	F2 (7)R	F2 (5)R	F2 (6)R			FP (6)R	FP (5)R	FP (4)R	FP (3)R	FP (7)R		F2 (7)R	F2 (5)R	F2 (6)R	
		W2(2)L									W2(2)L						F2(6)R	F2(6)R									

2nd Year

Cycle	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
Year	2015												2016													
Month/Day	08/03	08/17	08/31	09/14	09/28	10/12	10/26	11/09	11/23	12/07	12/21	01/04	01/18	02/01	02/15	02/29	03/14	03/28	04/11	04/25	05/09	05/23	06/06	06/20	07/04	07/18
Descending	Glacier Super Site	Glacier Super Site	Crustal Wetland Deforest	Glacier Super Site	sub-Arctic Super Site	Crustal Wetland Deforest	Global 3m (2/3)		Crustal Wetland Deforest	Global 3m (2/3)		Crustal Wetland Deforest		sub-Arctic Super Site	Crustal Wetland Deforest	Crustal & Forest		Crustal Wetland Deforest	Crustal & Forest		Crustal Wetland Deforest	Crustal & Forest		Crustal Wetland Deforest	sub-Arctic Super Site	Crustal Wetland Deforest
			W2 (2)R		V2(2)R	W2 (2)R	U2 (6)R	U2 (7)R	W2 (2)R	U2 (8)R	U2 (9)R	W2 (2)R		V2(2)R	W2 (2)R	F2 (5)R	F2 (6)R	W2 (2)R	F2 (7)R	F2 (5)R	W2 (2)R	F2 (6)R	F2 (7)R	W2 (2)R	V2(2)R	W2 (2)R
	F2(6)L	F2(6)L		F2(6)L																						
Ascending	North Polar	Polar	World 1-1(10m)					World 2-1(10m)			Polar	South Polar	World 1-2(10m)			GR Super Site	GR Super Site	Global FP6m (2/5)						World 2(10m)		
	W2(2)R	W2(2)R	F2 (7)R	F2 (5)R	F2 (6)R			F2 (7)R	F2 (5)R	F2 (6)R	W2(2)R	W2(2)L	F2 (7)R	F2 (5)R	F2 (6)R			FP (6)R	FP (5)R	FP (4)R	FP (3)R	FP (7)R		F2 (7)R	F2 (5)R	F2 (6)R
		W2(2)L										W2(2)L					F2(6)R	F2(6)R								



10m(HH+HV)28MHz Right



3m(HH)84MHz Right



6m(HH+HV+VH+VV)42MHz Right



ScanSAR350km(HH+HV)14MHz Right



ScanSAR350km(HH+HV)14MHz Left



ScanSAR490km(HH+HV)14MHz Right



10m(HH+HV)28MHz Left

【Number system】

EX: U2(6) R

U2(6) R

→ Beam direction (R: Right, L: Left)

→ Beam Number

→ Beam Class



Super sites (TBD)

(*) *Beam No.

* 3m Ultra-Fine and 6m QP modes require 3 and 5 years for global coverage

1-2 BOS (Global) – [2016/08 – 2017/12]

3rd Year		Cycle	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79		
		Year	2016												2017															
		Month/Day	08/01	08/15	08/29	09/12	09/26	10/10	10/24	11/07	11/21	12/05	12/19	01/02	01/16	01/30	02/13	02/27	03/13	03/27	04/10	04/24	05/08	05/22	06/05	06/19	07/03	07/17		
Descending			Glacier Super Site	Glacier Super Site	Crustal Wetland Deforest	Glacier Super Site		Crustal Wetland Deforest	Global 3m (3/3)			Crustal Wetland Deforest	Global 3m (3/3)		Crustal Wetland Deforest		Crustal Wetland Deforest	Crustal&Forest		Crustal Wetland Deforest	Crustal&Forest		Crustal Wetland Deforest	Crustal&Forest		Crustal Wetland Deforest		Crustal Wetland Deforest		
					W2 (2)R			W2 (2)R	U2 (6)R	U2 (7)R	W2 (2)R	U2 (8)R	U2 (9)R	W2 (2)R			W2 (2)R	F2 (5)R	F2 (6)R	W2 (2)R	F2 (7)R	F2 (5)R	W2 (2)R	F2 (6)R	F2 (7)R	W2 (2)R		W2 (2)R		
			F2(6)L	F2(6)L		F2(6)L																								
Ascending			North Polar Crustal	Polar	World 1-1(10m)					World 2-1(10m)			Polar	South Polar	World 1-2(10m)			GR Super Site	GR Super Site	Global FP6m (3/5)						World 2-2(10m)				
			W2 (2)R	W2(2)R	F2 (7)R	F2 (5)R	F2 (6)R				F2 (7)R	F2 (5)R	F2 (6)R	W2(2)R	W2(2)L		F2 (7)R	F2 (5)R	F2 (6)R			FP (6)R	FP (5)R	FP (4)R	FP (3)R	FP (7)R		F2 (7)R	F2 (5)R	F2 (6)R
				W2(2)L										W2(2)L																

■4th Year

		Cycle	80	81	82	83	84	85	86	87	88	89	90
		Year	2017										
		Month/Day	07/31	08/14	08/28	09/11	09/25	10/09	10/23	11/06	11/20	12/04	12/18
Descending			Glacier Super Site	Crustal Glacier Super Site	Wetland Deforest	Glacier Super Site	Crustal Glacier Super Site	Wetland Deforest	10m (SuperSite)		Wetland Deforest	10m (SuperSite)	Crustal
				W2(2)R	W2 (2)R		W2(2)R	W2 (2)R	F2(7)R	F2(5)R	W2 (2)R	F2(6)R	W2(2)R
			F2(6)L	F2(6)L		F2(6)L	F2(6)L						
Ascending			North Polar Crustal	Polar	World 1-1(10m)				World 2-1(10m)			Polar	South Polar
			W2 (2)R	W2(2)R	F2 (7)R	F2 (5)R	F2 (6)R		F2 (7)R	F2 (5)R	F2 (6)R	W2(2)R	W2(2)L
				W2(2)L								W2(2)L	

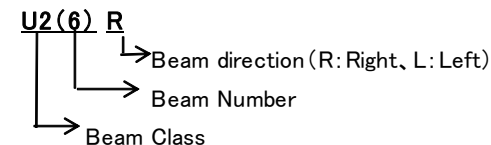
F2 10m	10m(HH+HV)28MHz Right	W2 350km	ScanSAR350km(HH+HV)14MHz Right
U2 3m	3m(HH)84MHz Right	W2 350km	ScanSAR350km(HH+HV)14MHz Left
FP 6m	6m(HH+HV+VH+VV)42MHz Right	V2 490km	ScanSAR490km(HH+HV)14MHz Right
		F2 10m	10m(HH+HV)28MHz Left

(*) *Beam No.

 Super sites (TBD)

【Number system】

EX: U2(6) R

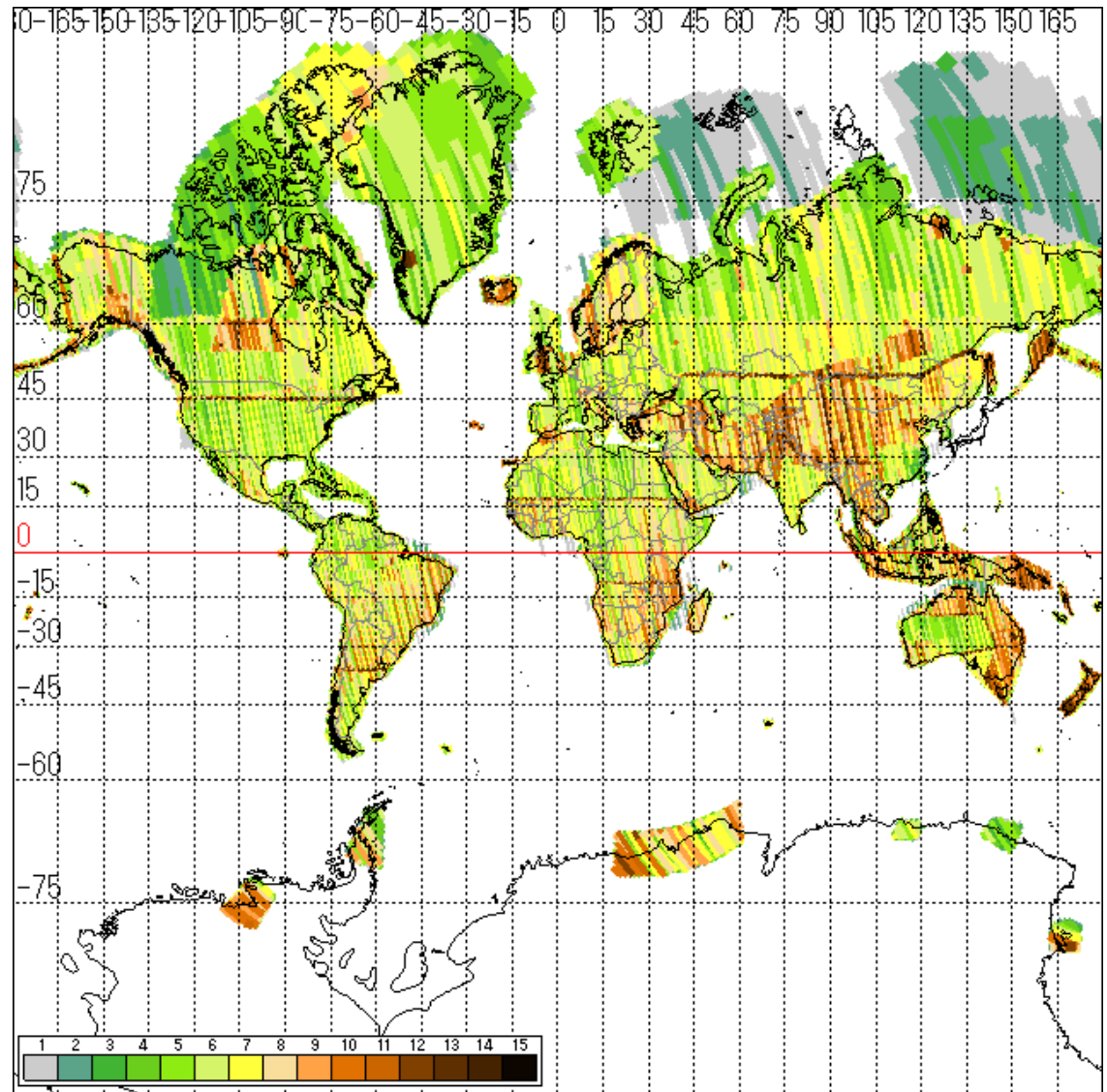


* 3m Ultra-Fine and 6m QP modes require 3 and 5 years for global coverage

2. Acquisition results for the Global BOS

2-1 Obs results: Global FBD 10m

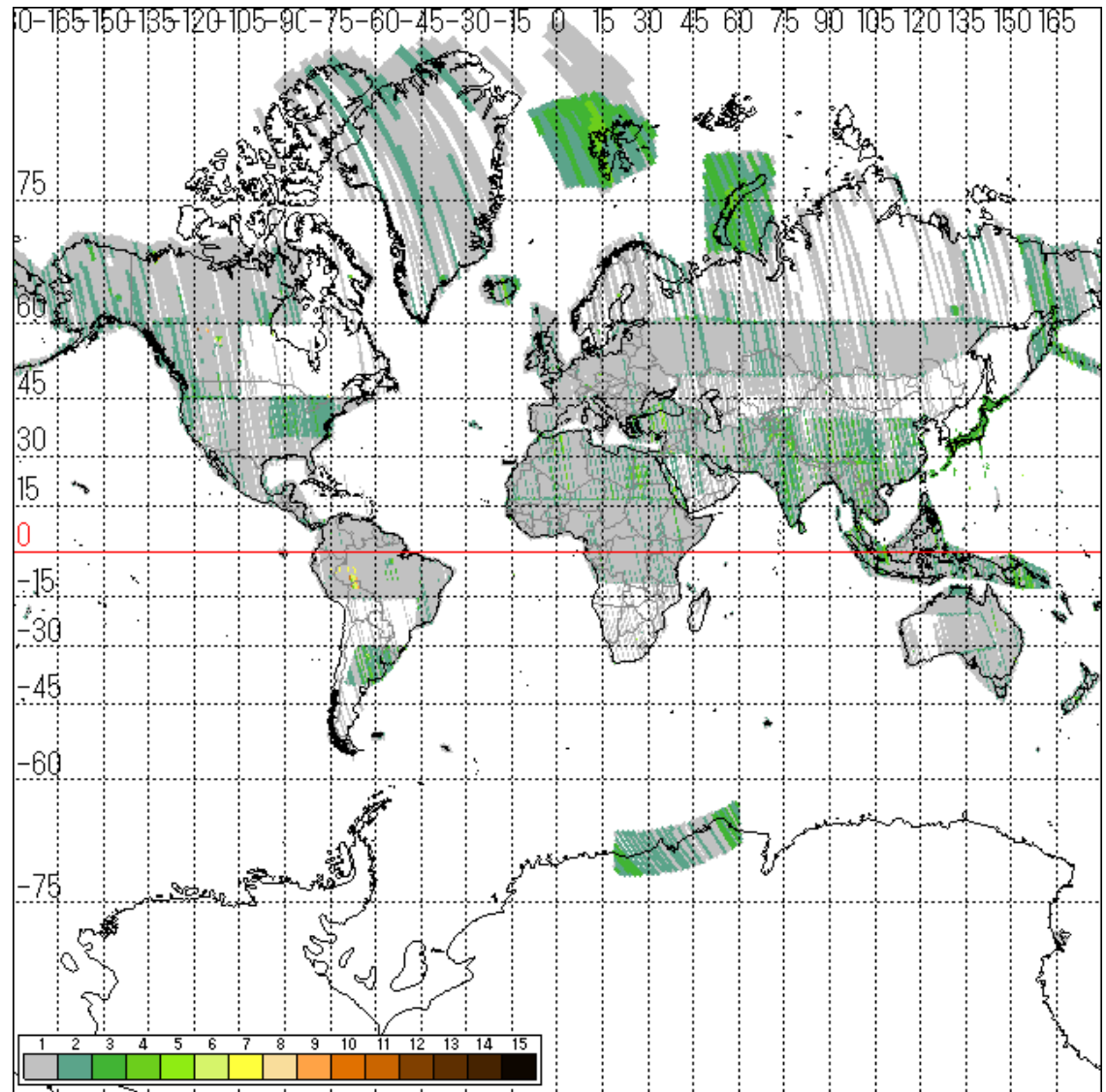
2014/8/4~2017/12/31	
acquired scenes	419,080



Stripmap 10m(F2-5~F2-7)/HH+HV/ Ascending / Right

2-2 Obs results: Global POL 6m

2014/8/4~2017/12/31	
acquired scenes	95,541



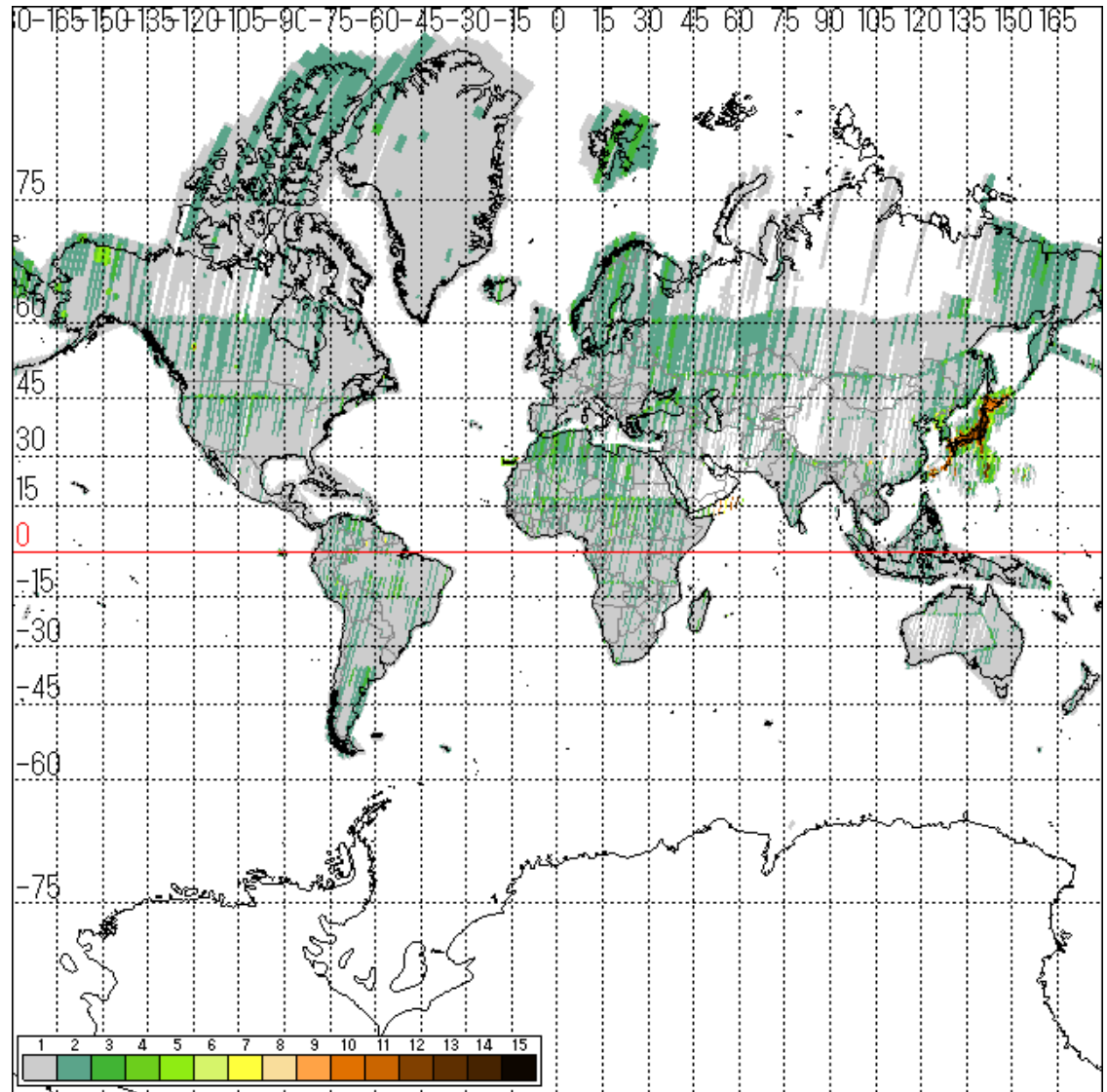
Stripmap 6m (FP6-3~FP6-7)/HH+HV+VH+VV/ Ascending / Right

2-3 Obs results: Global Ultra-fine (HH) 3m

2014/8/4~2017/12/31

acquired
scenes

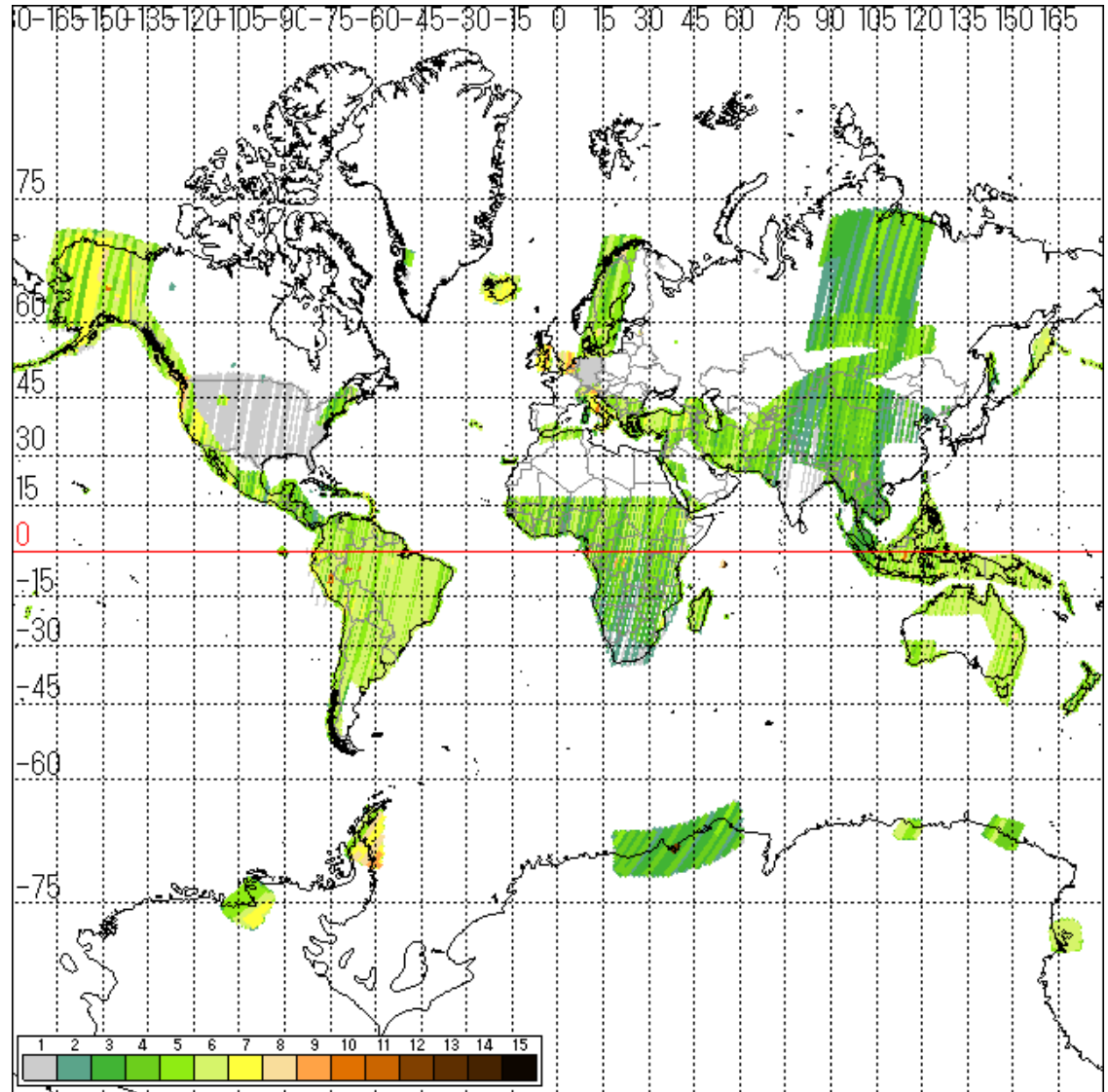
97,572



Stripmap 3m (U2-6~U2-9) /HH/ Descending/ Right 7

2-4 Obs results: Forest & Crustal Deformation (FBD 10m)

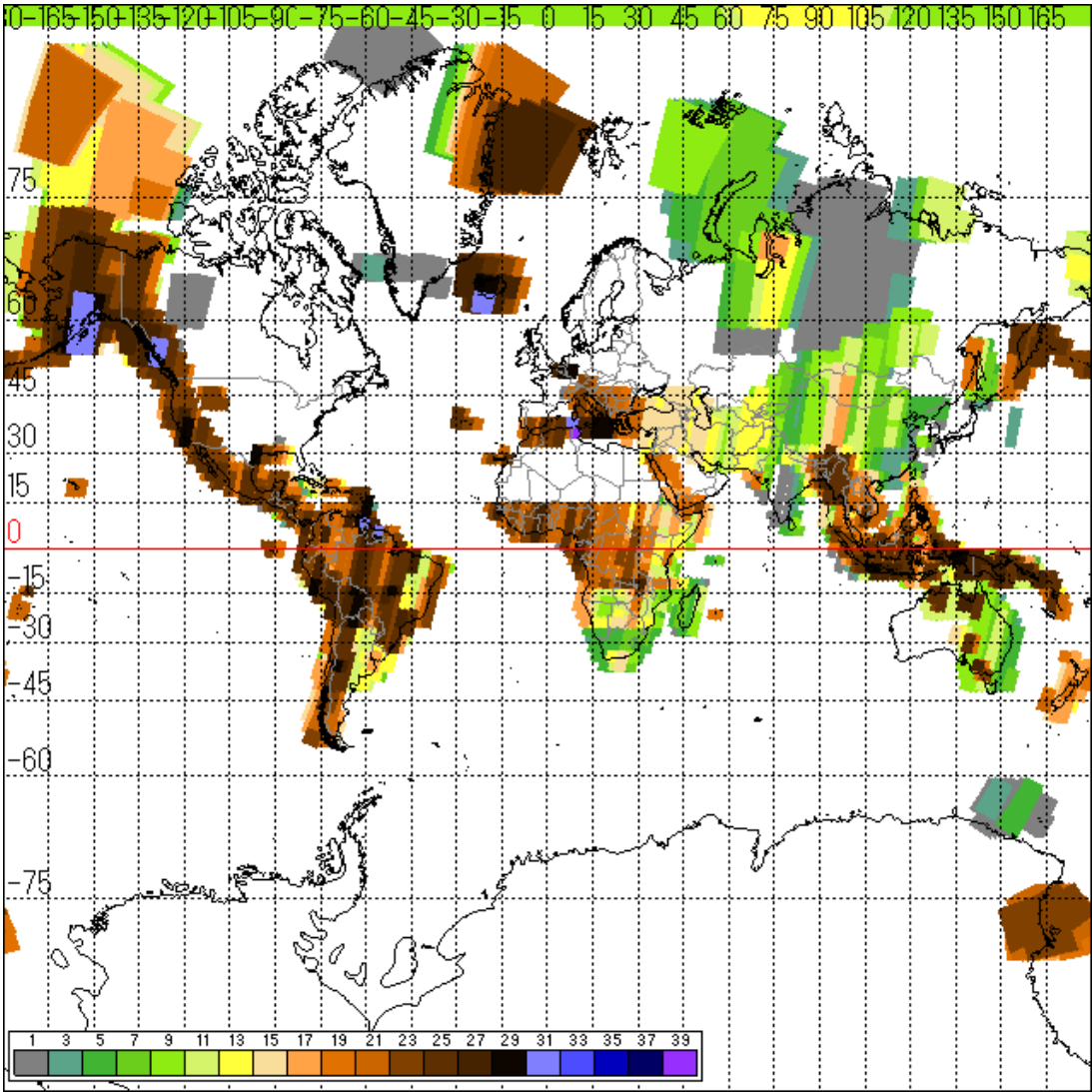
2014/8/4~2017/12/31	
acquired scenes	150,002



Stripmap 10m (F2-5~F2-7)/HH+HV/ Descending / Right

2-5 Obs results: Wetlands & Rapid deforestation monitoring & Crustal Deformation (ScanSAR)

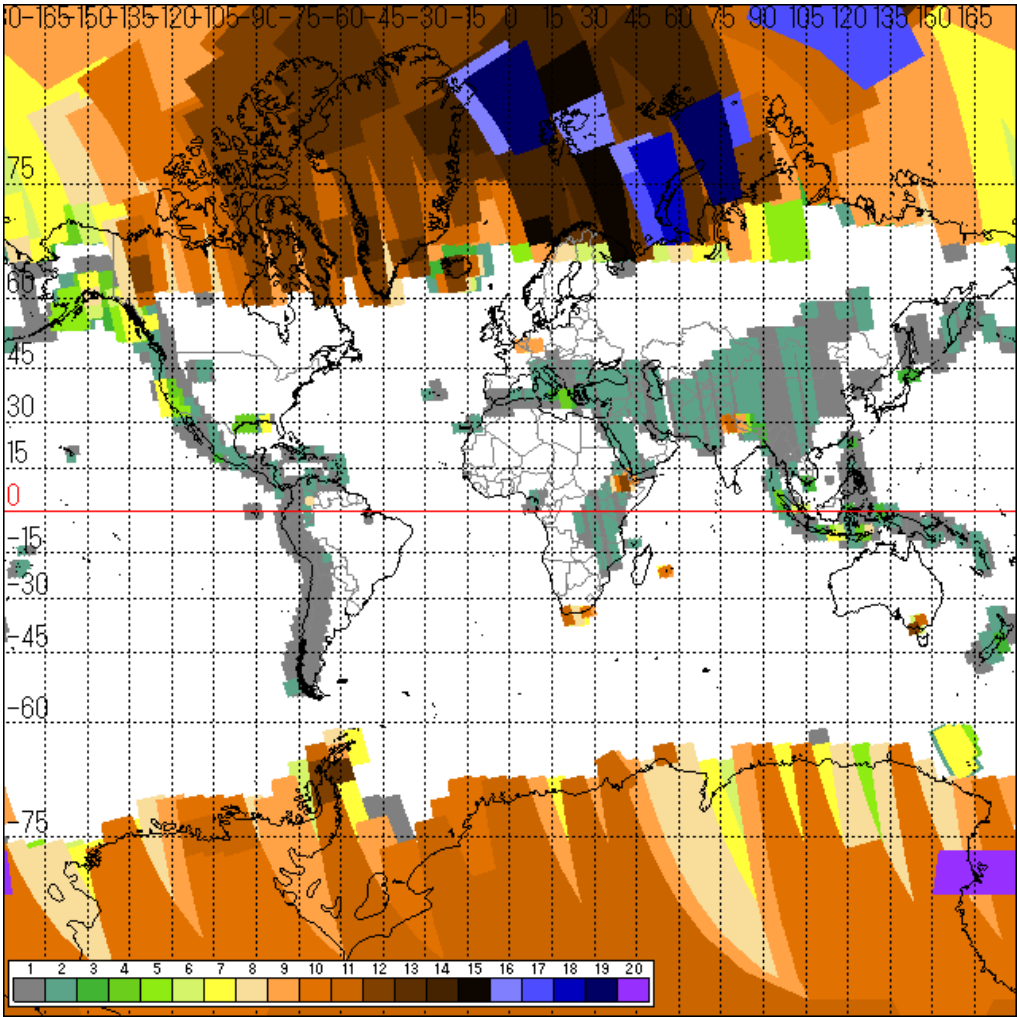
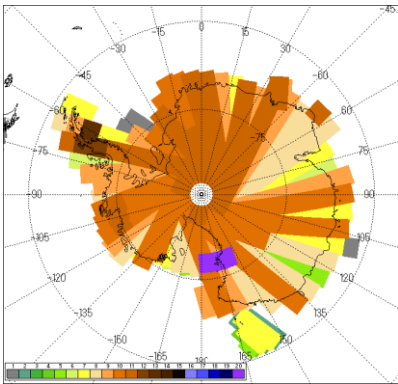
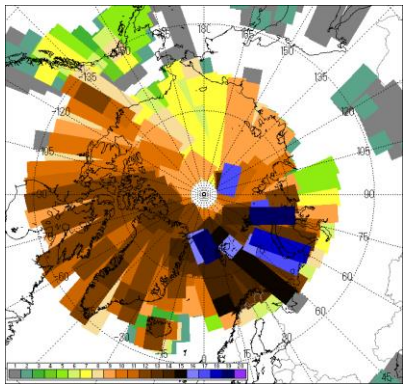
2014/8/4~2017/12/31	
acquired scenes	51,270



ScanSAR 350km (W2) / HH + HV / 14MHz / Descending / Right

2-6 Obs results: Polar Ice (ScanSAR)

2014/8/4~2017/12/31	
acquired scenes	14,808



Arctic/Right

Antarctic/Left

4. Basic Observation Scenario (Global)

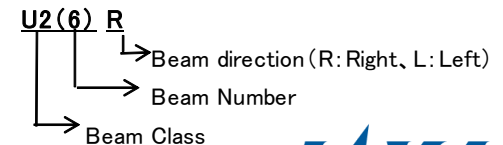
4-1 BOS (Global) – [2014/08 – 2017/07]

■ 1st Year																																																							
Cycle	2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27				
Year	2014																																																						
Month/Day	08/04		08/18		09/01		09/15		09/29		10/13		10/27		11/10		11/24		12/08		12/22		01/05		01/19		02/02		02/16		03/02		03/16		03/30		04/13		04/27		05/11		05/25		06/08		06/22		07/06		07/20				
Descending	Crustal Wetland Deforest		Glacier Super Site		Crustal Wetland Deforest		Glacier Super Site		sub-Arctic Super Site		Crustal Wetland Deforest		Global 3m (1/3)		Crustal Wetland Deforest		Global 3m (1/3)		Crustal Wetland Deforest				Crustal Wetland Deforest		sub-Arctic Super Site		Crustal Wetland Deforest		Crustal & Forest 14-day InSAR		Crustal Wetland Deforest		Crustal & Forest 14-day InSAR		Crustal Wetland Deforest		Crustal & Forest 14-day InSAR		Crustal Wetland Deforest		sub-Arctic Super Site		Crustal Wetland Deforest												
	W2 (2)R				W2 (2)R				V2(2)R		W2 (2)R		U2 (6)R		U2 (7)R		W2 (2)R		U2 (8)R		U2 (9)R		W2 (2)R				V2(2)R		W2 (2)R		F2 (5)R		F2 (5)R		W2 (2)R		F2 (6)R		F2 (6)R		W2 (2)R		F2 (7)R		F2 (7)R		W2 (2)R		V2(2)R		W2 (2)R				
Ascending	Crustal		Polar		World 1-1(10m)												World 2-1(10m)				Polar		North Polar		World 1-2(10m)				GR Super Site		GR Super Site		Global FP6m (1/5)										World 2-2(10m)												
	W2 (2)R		W2(2)R		F2 (7)R		F2 (5)R		F2 (6)R						F2 (7)R		F2 (5)R		F2 (6)R		W2(2)R		W2(2)L		F2 (7)R		F2 (5)R		F2 (6)R				F2(6)R		F2(6)R		FP (6)R		FP (5)R		FP (4)R		FP (3)R		FP (7)R						F2 (7)R		F2 (5)R		F2 (6)R
■ 2nd Year																																																							
Cycle	28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53				
Year	2015																																																						
Month/Day	08/03		08/17		08/31		09/14		09/28		10/12		10/26		11/09		11/23		12/07		12/21		01/04		01/18		02/01		02/15		02/29		03/14		03/28		04/11		04/25		05/09		05/23		06/06		06/20		07/04		07/18				
Descending	Glacier Super Site		Glacier Super Site		Crustal Wetland Deforest		Glacier Super Site		sub-Arctic Super Site		Crustal Wetland Deforest		Global 3m (2/3)		Crustal Wetland Deforest		Global 3m (2/3)		Crustal Wetland Deforest				Crustal Wetland Deforest		sub-Arctic Super Site		Crustal Wetland Deforest		Crustal & Forest		Crustal Wetland Deforest		Crustal & Forest		Crustal Wetland Deforest		Crustal & Forest		Crustal Wetland Deforest		Crustal & Forest		Crustal Wetland Deforest		sub-Arctic Super Site		Crustal Wetland Deforest								
					W2 (2)R				V2(2)R		W2 (2)R		U2 (6)R		U2 (7)R		W2 (2)R		U2 (8)R		U2 (9)R		W2 (2)R				V2(2)R		W2 (2)R		F2 (5)R		F2 (6)R		W2 (2)R		F2 (7)R		F2 (5)R		W2 (2)R		F2 (6)R		F2 (7)R		W2 (2)R		V2(2)R		W2 (2)R				
Ascending	North Polar		Polar		World 1-1(10m)												World 2-1(10m)				Polar		South Polar		World 1-2(10m)				GR Super Site		GR Super Site		Global FP6m (2/5)										World 2(10m)												
	W2(2)R		W2(2)R		F2 (7)R		F2 (5)R		F2 (6)R						F2 (7)R		F2 (5)R		F2 (6)R		W2(2)R		W2(2)L		F2 (7)R		F2 (5)R		F2 (6)R				F2(6)R		F2(6)R		FP (6)R		FP (5)R		FP (4)R		FP (3)R		FP (7)R						F2 (7)R		F2 (5)R		F2 (6)R
■ 3rd Year																																																							
Cycle	54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79				
Year	2016																																																						
Month/Day	08/01		08/15		08/29		09/12		09/26		10/10		10/24		11/07		11/21		12/05		12/19		01/02		01/16		01/30		02/13		02/27		03/13		03/27		04/10		04/24		05/08		05/22		06/05		06/19		07/03		07/17				
Descending	Glacier Super Site		Glacier Super Site		Crustal Wetland Deforest		Glacier Super Site				Crustal Wetland Deforest		Global 3m (3/3)		Crustal Wetland Deforest		Global 3m (3/3)		Crustal Wetland Deforest				Crustal Wetland Deforest		Crustal Wetland Deforest		Crustal & Forest		Crustal Wetland Deforest		Crustal & Forest		Crustal Wetland Deforest		Crustal & Forest		Crustal Wetland Deforest		Crustal & Forest		Crustal Wetland Deforest		Crustal Wetland Deforest												
					W2 (2)R						W2 (2)R		U2 (6)R		U2 (7)R		W2 (2)R		U2 (8)R		U2 (9)R		W2 (2)R						W2 (2)R		F2 (5)R		F2 (6)R		W2 (2)R		F2 (7)R		F2 (5)R		W2 (2)R		F2 (6)R		F2 (7)R		W2 (2)R				W2 (2)R				
Ascending	North Polar		Polar		World 1-1(10m)												World 2-1(10m)				Polar		South Polar		World 1-2(10m)				GR Super Site		GR Super Site		Global FP6m (3/5)										World 2-2(10m)												
	W2 (2)R		W2(2)R		F2 (7)R		F2 (5)R		F2 (6)R						F2 (7)R		F2 (5)R		F2 (6)R		W2(2)R		W2(2)L		F2 (7)R		F2 (5)R		F2 (6)R				F2(6)R		F2(6)R		FP (6)R		FP (5)R		FP (4)R		FP (3)R		FP (7)R						F2 (7)R		F2 (5)R		F2 (6)R

F2 10m	10m(HH+HV)28MHz Right	W2 350km	ScanSAR350km(HH+HV)14MHz Right
U2 3m	3m(HH)84MHz Right	W2 350km	ScanSAR350km(HH+HV)14MHz Left
FP 6m	6m(HH+HV+VH+VV)42MHz Right	V2 490km	ScanSAR490km(HH+HV)14MHz Right
(*) *Beam No.		F2 10m	10m(HH+HV)28MHz Left

【Number system】

EX: U2(6) R



 Super sites (TBD)

* 3m Ultra-Fine and 6m QP modes require 3 and 5 years for global coverage

4-2 BOS (Global) – [2017/08 – 2019/07] Revised plan

■4th Year

Cycle	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
Year	2017											2018														
Month/Day	07/31	08/14	08/28	09/11	09/25	10/09	10/23	11/06	11/20	12/04	12/18	01/01	01/15	01/29	02/12	02/26	03/12	03/26	04/09	04/23	05/07	05/21	06/04	06/18	07/02	07/16
Descending	Glacier Super Site	Crustal Glacier Super Site	Wetland Deforest	Glacier Super Site	Crustal Glacier Super Site	Wetland Deforest	10m (SuperSite)		Wetland Deforest	10m (SuperSite)	Crustal	Wetland Deforest 1&2	Crustal 1	Wetland Deforest 2 Crustal 2	Wetland Deforest 1	Crustal 1	Wetland Deforest 2 Crustal 2	Wetland Deforest 1	Crustal 1	Wetland Deforest 2 Crustal 2	Wetland Deforest 1	Crustal 1	Wetland Deforest 2 Crustal 2	Wetland Deforest 1	Wetland Deforest 2	Wetland Deforest 1
		W2(2)R	W2 (2)R		W2(2)R	W2 (2)R	F2(7)R	F2(5)R	W2 (2)R	F2(6)R	W2(2)R	W2 (2)R		W2(2)R	W2(2)R		W2(2)R	W2(2)R		W2(2)R	W2(2)R		W2(2)R	W2(2)R	W2(2)R	W2(2)R
	F2(6)L	F2(6)L		F2(6)L	F2(6)L							W2 (2)R		W2(2)R		F2(7)R	F2(7)R		F2(5)R	F2(5)R		F2(6)R	F2(6)R			
Ascending	North Polar Crustal	Polar	World 1-1(10m)				World 2-1(10m)			Polar	South Polar	World A(10m)			GR Super Site	World B(10m)				World C(10m)			South Polar	World D(10m)		
	W2 (2)R	W2(2)R	F2 (7)R	F2 (5)R	F2 (6)R		F2 (7)R	F2 (5)R	F2 (6)R	W2(2)R	W2(2)L	F2 (7)R	F2 (5)R	F2 (6)R	F2(6)R	F2 (6)R	F2 (7)R	F2 (5)R		F2 (7)R	F2 (5)R	F2 (6)R	W2(2)L	F2 (7)R	F2 (5)R	F2 (6)R
		W2(2)L								W2(2)L																

■5th Year

Cycle	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131
Year	2018											2019														
Month/Day	07/30	08/13	08/27	09/10	09/24	10/08	10/22	11/05	11/19	12/03	12/17	12/31	01/14	01/28	02/11	02/25	03/11	03/25	04/08	04/22	05/06	05/20	06/03	06/17	07/01	07/15
Descending	Glacier Super Site	Wetland Deforest 2 Glacier Super Site	Wetland Deforest 1	Crustal 1 Glacier Super Site	Wetland Deforest 2 Crustal 2 Glacier Super	Wetland Deforest 1	Crustal 1 10m Super Site	Wetland Deforest 2 Crustal 2	Wetland Deforest 1 10m Super	Crustal 1 10m Super Site	Wetland Deforest 2 Crustal 2	Wetland Deforest 1	Crustal 1	Wetland Deforest 2 Crustal 2	Wetland Deforest 1	Crustal 1	Wetland Deforest 2 Crustal 2	Wetland Deforest 1	Crustal 1	Wetland Deforest 2 Crustal 2	Wetland Deforest 1	Crustal 1	Wetland Deforest 2 Crustal 2	Wetland Deforest 1	Wetland Deforest 2	Wetland Deforest 1
		W2(2)R	W2(2)R	W2(2)R	W2(2)R	W2(2)R	W2(2)R	W2(2)R	W2(2)R	W2(2)R	W2(2)R	W2(2)R	W2(2)R	W2(2)R	W2(2)R		W2(2)R	W2(2)R		W2(2)R	W2(2)R		W2(2)R	W2(2)R	W2(2)R	W2(2)R
	F2(6)L	F2(6)L		F2(6)L	F2(6)L		F2(7)R		F2(5)R	F2(6)R	W2(2)R			W2(2)R		F2(7)R	F2(7)R		F2(5)R	F2(5)R		F2(6)R	F2(6)R			
Ascending	World E(10m)			North Polar Crustal	North Polar	World F(10m)					World A(10m)			Polar	GR Super Site South Polar	World B(10m)				World C(10m)				World D(10m)		
	F2 (7)R	F2 (5)R	F2 (6)R	W2 (2)R	W2(2)R	F2 (7)R	F2 (5)R	F2 (6)R			F2 (7)R	F2 (5)R	F2 (6)R	W2(2)R	F2(6)R	F2 (6)R	F2 (7)R	F2 (5)R		F2 (7)R	F2 (5)R	F2 (6)R		F2 (7)R	F2 (5)R	F2 (6)R
														W2(2)L	W2(2)L											

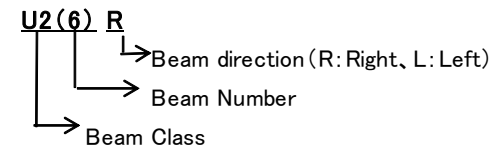
F2 10m	10m(HH+HV)28MHz Right	W2 350km	ScanSAR350km(HH+HV)14MHz Right
U2 3m	3m(HH)84MHz Right	W2 350km	ScanSAR350km(HH+HV)14MHz Left
FP 6m	6m(HH+HV+VH+VV)42MHz Right	V2 490km	ScanSAR490km(HH+HV)14MHz Right
		F2 10m	10m(HH+HV)28MHz Left

(*) *Beam No.

 Super sites (TBD)

【Number system】

EX: U2(6) R



4-3 BOS (Global) – [2018/01 – 2018/04]

Global land areas – baseline mapping

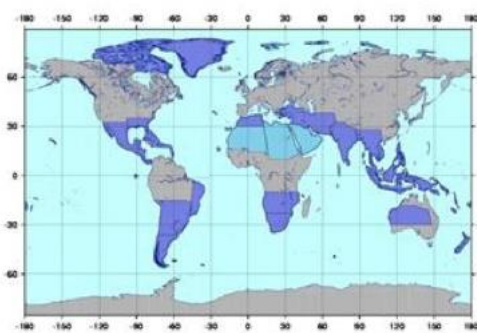
【Cycle 91-98:2018/1/1-2018/4/22】

Temporal repeat: Ascending 2 - 4 cov/year

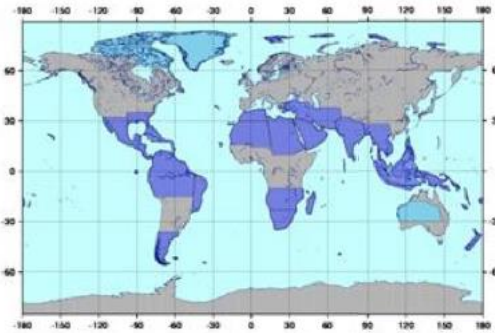
GSD: 10 m (off-nadir 28.2° - 36.2°)

■ High Priority
■ Low Priority

Mode: Stripmap Dual-pol (HH+HV/28 MHz)



WorldA



WorldB

4-3 BOS Global (FBD 10m) – [2018/04 – 2019/07]

Global land areas – baseline mapping

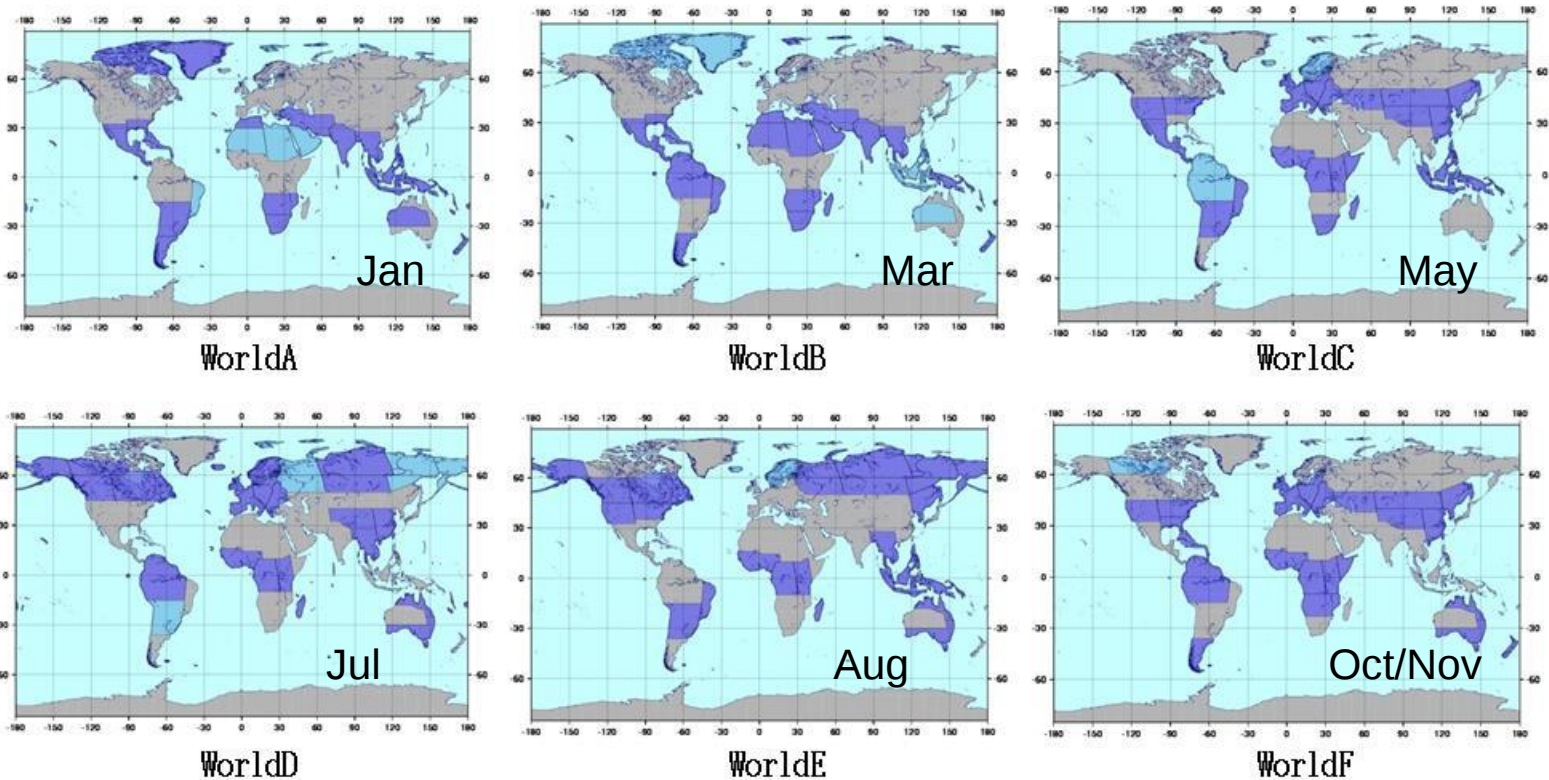
【Cycle 99-131:2018/4/23-2019/7/28】

Temporal repeat: Ascending 2 - 4 cov/year

GSD: 10 m (off-nadir 28.2° - 36.2°)

Mode: Stripmap Dual-pol (HH+HV/28 MHz)

■ High Priority
■ Low Priority



4-4a BOS Global (ScanSAR) – [2018/01 – 2019/07]

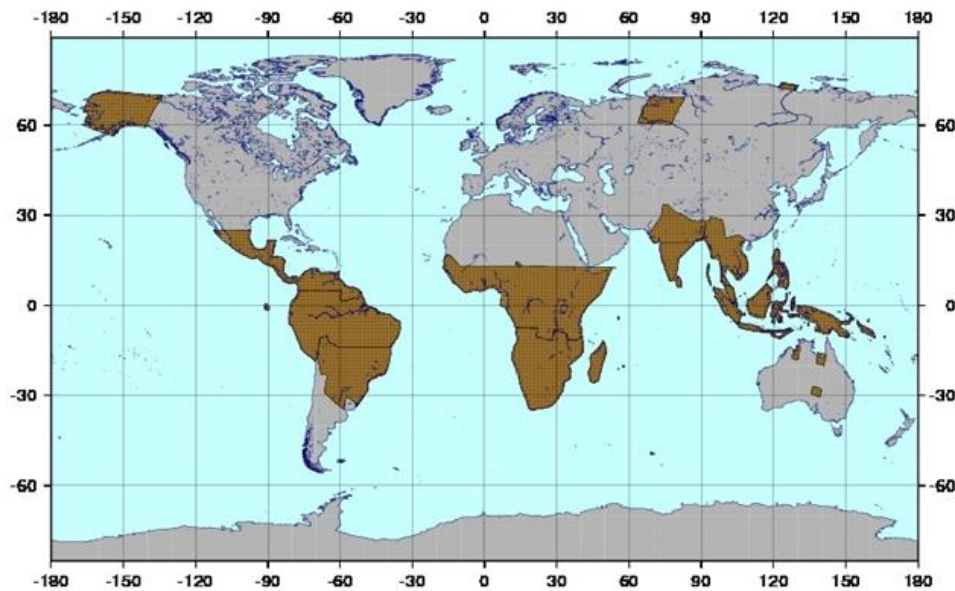
Wetlands & Rapid deforestation monitoring

【Cycle 91-131:2018/1/1-2019/7/28】

Temporal repeat: Descending 9 cov/year

GSD: 100 m (off-nadir 26.2° - 41.8°)

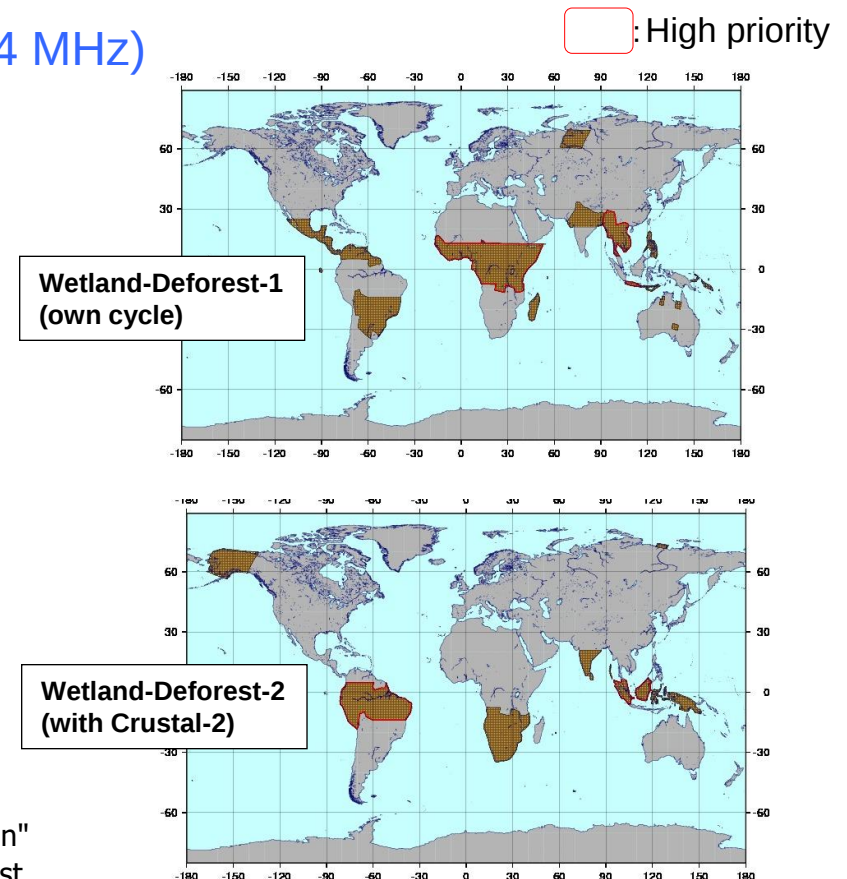
Mode: ScanSAR 350 km Dual-pol (HH+HV/14 MHz)



Wetlands & Rapid deforestation monitoring Area

The observation area is divided into "Wetland Deforest 1" and "Wetland Deforest 2".

*The overlap areas between "Wetland Deforest" and "Crustal Deformation" are observed in ScanSAR (HH+HV) mode at the Cycle of Wetland Deforest.



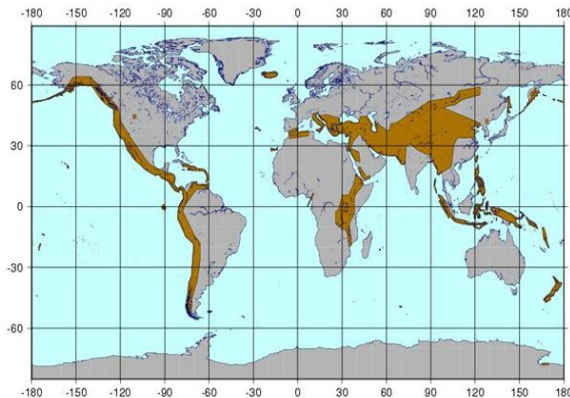
4-4b BOS Global (ScanSAR) – [2018/01 – 2019/07]

Crustal Deformation 【Cycle 91-131:2018/1/1-2019/7/28】

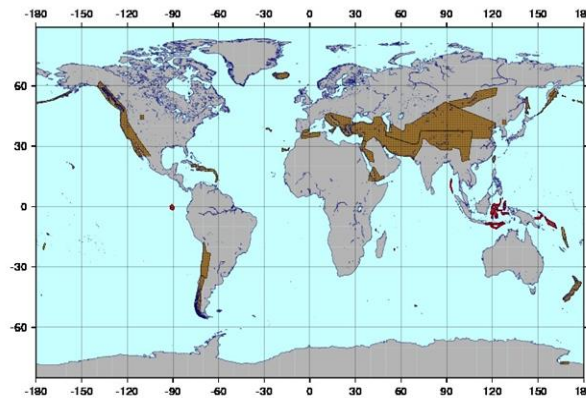
Temporal repeat: Ascending 1 cov/year, Descending 4 cov/year

GSD: 100 m (off-nadir 26.2° – 41.8°)

Mode: ScanSAR 350km (HH/14 MHz)



Ascending: 1cov/year



Descending: 4cov/year

Crustal-1
(own cycle)

Crustal-2
(w Wetl-2)

The observation area is divided into "Crustal-1" and "Crustal-2".
*The red area (SE-Asia) is observed in ScanSAR (HH+HV) mode at the Cycle of Wetland Deforest.

ALOS-2 BOS – Year 4

Descending	Month	Aug		Sep		Oct			Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul		
	Cycle	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
Wetlands-Deforest 1 (W2)				834			834			834			507			507			507			507			507		507
Wetlands-Deforest 2 (W2)															432			432			432			432		432	
Crustal Def 1 (W2 & F2)			572			572					572		398			398			398			398					
Crustal Def 2 (W2 & F2)															222			222			222			222			
Germany, Italy, USA (F2)							23	23		23										222			222				
Antarctica Super Sites (F2(6)L)		319	319		319																						
Total Descending [min]		319	891	834	319	572	834	23	23	834	23	572	507	398	654	507	398	654	507	398	654	507	398	654	507	432	507

Ascending	Month	Aug		Sep		Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul			
	Cycle	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
				World 1-1				World 2-1					World A			World B				World C				World D			
				Old version				Old version					NH Winter			NH Winter				NH Spring				NH Summer			
Siberia (Cull 1)	A01-07, A13			246	246	246			116	116	116										116	116	116		246	246	246
Central Asia	A08-09								130	130	130										130	130	130		130	130	130
China	A10-11								50	50	50										50	50	50				
East Asia	A12								54	54	54						54	54	54								
India	B01			54	54	54							54	54	54		54	54	54								
Mainland SE-Asia	B02			46	46	46							46	46	46		46	46	46						46	46	46
Insular SE-Asia & PNG	B03, C01			133	133	133							133	133	133		133	133	133		133	133	133				
Australia (N,E,S)	C02, 04			76	76	76																			76	76	76
Australia (C&W)	C03							61	61	61			61	61	61		61	61	61								
NZ	C05							10	10	10			10	10	10		10	10	10								
Greenland (Cull 1)	D01							68.5	68.5	68.5			68.5	68.5	68.5		68.5	68.5	68.5								
Iceland (Cull 1)	D02							3	3	3											3	3	3		3	3	3
Europe North	D03			48	48	48															48	48	48		48	48	48
Europe (W, C, E)	D04-06			132	132	132															132	132	132		132	132	132
Mid East, Arabian P.	D07-08							111	111	111			111	111	111		111	111	111								
Africa North	E01-03							134	134	134			134	134	134		134	134	134								
Africa Central	E04-06			183	183	183															183	183	183		183	183	183
Africa Horn	E07			16	16	16															16	16	16				
Africa Central-South	E08							45	45	45			45	45	45		45	45	45								
Africa South	E09							40	40	40			40	40	40		40	40	40		40	40	40				
Madagascar	E10			12	12	12											12	12	12		12	12	12		12	12	12
Canadian Arctic (Cull 1)	F01							62	62	62			62	62	62		62	62	62								
Alaska, Canada	F02-05, F10							340	340	340															340	340	340
USA	F06-07			150	150	150															150	150	150				
Central America	F08			38	38	38							38	38	38		38	38	38		38	38	38				
Carribean	F09			27	27	27							27	27	27		27	27	27								
South America - North	G01			130	130	130											130	130	130		130	130	130		130	130	130
South America - East	G02			26	26	26							26	26	26		26	26	26		26	26	26				
South America - Central	G03			78	78	78							78	78	78						78	78	78		78	78	78
South America - South	G04							37	37	37			37	37	37		37	37	37								
Islands	Ixx							30	30	30			30	30	30		30	30	30						30	30	30
Greenland Super Sites (F2(6)R)	30														30												
North Pole Base map (W2R)	303.5	303.5										303.5															
South Pole Base map (W2L)	276.5		276.5									276.5	276.5														

Total Desc + Asc [min]	622.5	1471	2229	1714	1967	834	1261	1261	2072	603	848.5	1628	1519	1775	537	1582	1838	1691	398	1849	1702	1593	654	2059	1984	2059
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ALOS-2 BOS – Year 5

Descending	Month	Aug		Sep		Oct			Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul		
	Cycle	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131
Wetlands-Deforest 1 (W2)				507			507			507			507		507			507			507			507		507	
Wetlands-Deforest 2 (W2)			432			432			432			432			432			432			432			432		432	
Crustal Def 1 (W2 & F2)					398			398			398			398			398			398			398				
Crustal Def 2 (W2 & F2)						222	K45		222	K03		222			222			222			222			222			
Germany, Italy, USA (F2)								23	23		23																
Antarctica Super Sites (F2(6)L)		319	319		319	319																					
Total Descending [min]		319	751	507	717	973	507	421	677	507	421	654	507	398	654	507	398	654	507	398	654	507	398	654	507	432	507

Ascending	Month	Aug		Sep		Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul			
	Cycle	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131
		World E					World F					World A					World B				World C				World D		
		NH Summer					NH Autumn					NH Winter					NH Winter				NH Spring				NH Summer		
Siberia (Cull 1)	A01-07, A13	246	246	246																				246	246	246	
Central Asia	A08-09						116	116	116												116	116	116				
China	A10-11						130	130	130												130	130	130		130	130	
East Asia	A12	50	50	50			50	50	50												50	50	50				
India	B01											54	54	54			54	54	54								
Mainland SE-Asia	B02	46	46	46								46	46	46			46	46	46					46	46	46	
Insular SE-Asia & PNG	B03, C01	133	133	133								133	133	133			133	133	133		133	133	133				
Australia (N,E,S)	C02, 04	76	76	76			76	76	76															76	76	76	
Australia (C&W)	C03											61	61	61			61	61	61								
NZ	C05						10	10	10			10	10	10			10	10	10								
Greenland (Cull 1)	D01											68.5	68.5	68.5			68.5	68.5	68.5								
Iceland (Cull 1)	D02	3	3	3																	3	3	3		3	3	
Europe North	D03	48	48	48																	48	48	48		48	48	
Europe (W, C, E)	D04-06						132	132	132												132	132	132		132	132	
Mid East, Arabian P.	D07-08											111	111	111			111	111	111								
Africa North	E01-03											134	134	134			134	134	134								
Africa Central	E04-06	183	183	183			183	183	183												183	183	183		183	183	
Africa Horn	E07						16	16	16												16	16	16				
Africa Central-South	E08						45	45	45			45	45	45			45	45	45								
Africa South	E09											40	40	40			40	40	40		40	40	40				
Madagascar	E10	12	12	12													12	12	12		12	12	12		12	12	
Canadian Arctic (Cull 1)	F01											62	62	62			62	62	62								
Alaska, Canada	F02-05, F10	340	340	340																				340	340	340	
USA	F06-07	150	150	150			150	150	150												150	150	150				
Central America	F08											38	38	38			38	38	38		38	38	38				
Carribean	F09						27	27	27			27	27	27			27	27	27								
South America - North	G01						130	130	130								130	130	130		130	130	130		130	130	
South America - East	G02	26	26	26								26	26	26			26	26	26		26	26	26				
South America - Central	G03	78	78	78								78	78	78							78	78	78		78	78	
South America - South	G04						37	37	37			37	37	37			37	37	37								
Islands	Ixx											30	30	30			30	30	30						30	30	
Greenland Super Sites (F2(6)R)	30														30												
North Pole Base map (W2R)	303.5				304	304									304												
South Pole Base map (W2L)	276.5					277									277	277											
Total Ascending [min]		1372	1372	1372	303.5	580	1095	1095	1095	0	0	1121	1121	1121	580	306.5	1184	1184	1184	0	1195	1195	1195	0	1552	1552	1552
Total Desc + Asc [min]		1691	2123	1879	1021	1553	1602	1516	1772	507	421	1775	1628	1519	1234	813.5	1582	1838	1691	398	1849	1702	1593	654	2059	1984	2059

Total Desc + Asc [min]		1691	2123	1879	1021	1553	1602	1516	1772	507	421	1775	1628	1519	1234	813.5	1582	1838	1691	398	1849	1702	1593	654	2059	1984	2059
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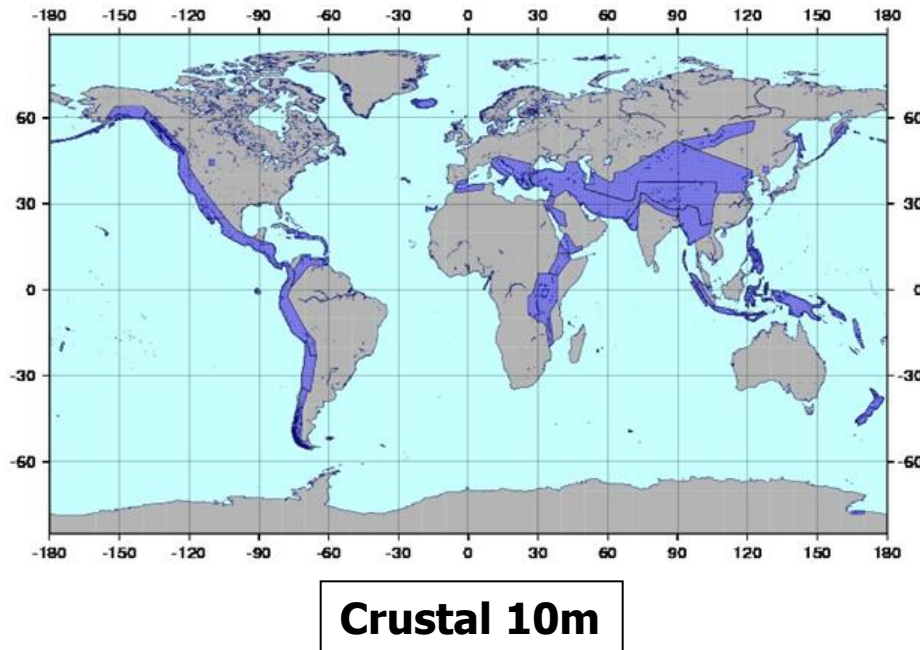
4-5 BOS Global (FBD 10m Desc) – [2018/01 – 2019/07]

Crustal Deformation 【Cycle 91-131: 2018/1/1-2019/7/28】

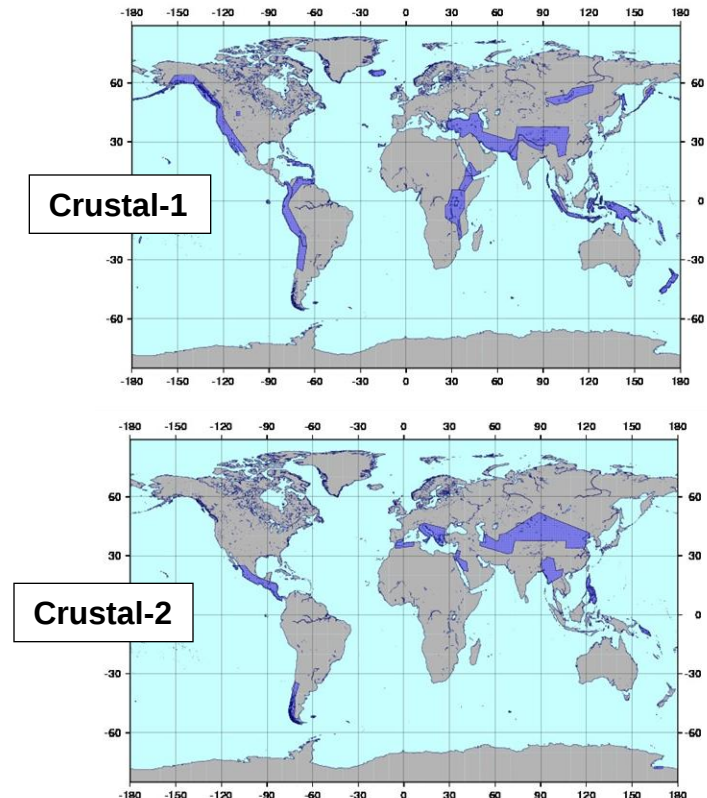
Temporal repeat: Descending 1 cov/year

GSD: 10 m (off-nadir $28.2^\circ - 36.2^\circ$)

Mode: Stripmap Dual-pol (HH+HV/28MHz)



The observation area is divided into "Crustal 1" and "Crustal 2".



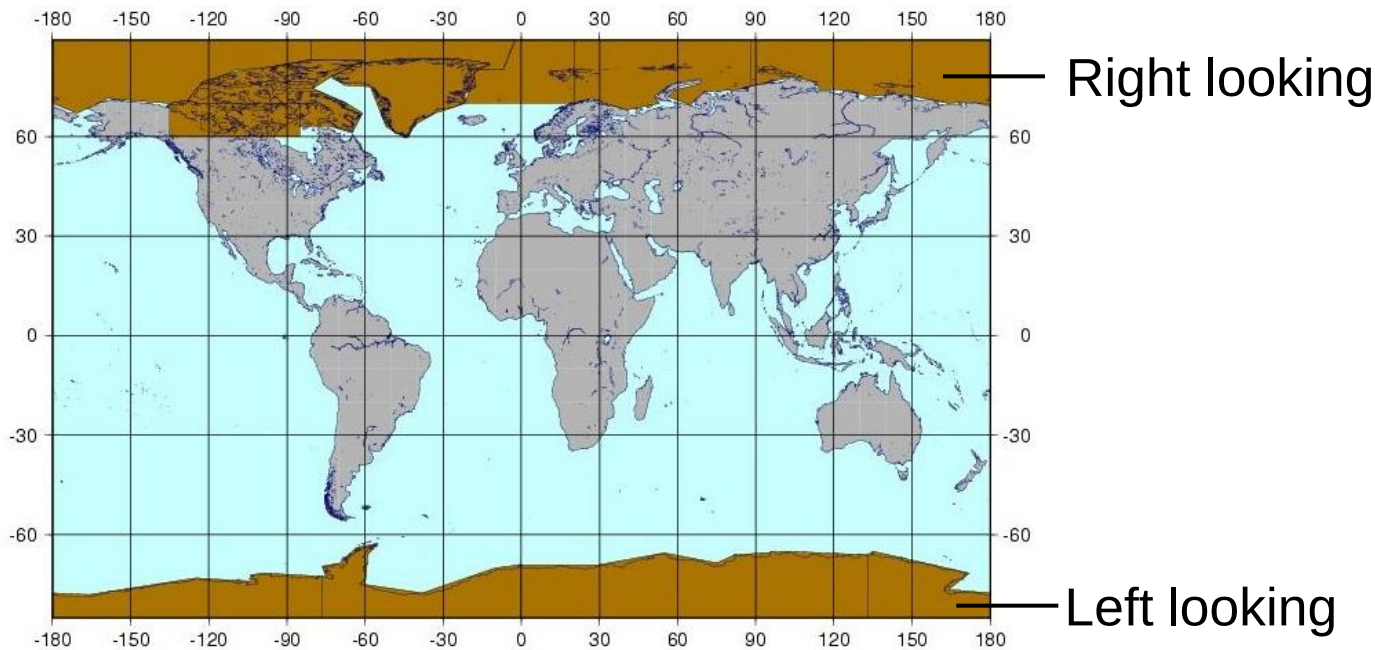
4-6 BOS Global (ScanSAR) – [2018/01 – 2019/07]

Polar Ice

Temporal repeat: Ascending 3 cov/year

GSD: 100 m (off-nadir 26.2° – 41.8°)

Mode: ScanSAR 350km (HH+HV/14 MHz)



ALOS-2 BOS on the JAXA www

- In English

http://www.eorc.jaxa.jp/ALOS-2/en/obs/pal2_obs_guide.htm

- In Japanese

http://www.eorc.jaxa.jp/ALOS/top/obs_jtop.htm

