PALSAR-2 25m FBD mosaics:

- Geolocation errors up to several pixels reported. Magnitude vary depending on observation dates and geographical locations [J. Kellndorfer]
- Residual radiometric artefacts after Radiometric Terrain Correction, possibly caused by alignment error between DEM and SAR in SigmaSAR processor [J. Kellndorfer].
- Additional temporal and geometric artefacts as previously reported by email (see 2.1.4 and Attachment 2b above) [M. Santoro]

PALSAR-2 ScanSAR mosaics:

- Geolocation errors up to several pixels reported. Magnitude vary depending on observation dates and geographical locations (Figure 4) [K. McDonald, J.KelIndorfer]
- ScanSAR mosaics considered of very high value. Continuation of mosaic generation during PALSAR-2 operations suggested [K&C team].
- Consider generating mosaics of all ScanSAR data that have been acquired (such as Siberia), not only over the tropical zone [K&C team]

ALOS-2 BOS:

LOS

- There was great concern that PALSAR-2 BOS reduction of 10m FBD global observations to once/year at high priority will have serious impact on PALSAR-2 data utilisation. It was emphasised that dense consistent time-series of data is the key to SAR data analysis and that 10m FBD data are a key complement to ScanSAR 42-day observations (which are not global) [K&C team]
- It was further a concern that with JAXA's aim of only one single global coverage at high priority would result in gaps in the coverage [K&C team]

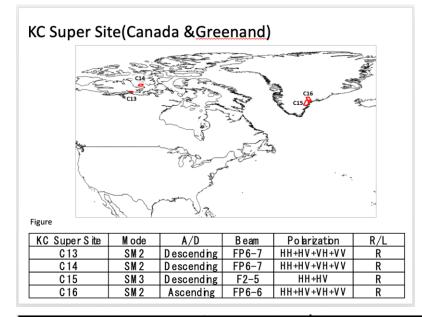
Antarctica:

• Important to continue InSAR observations over Antarctic Super Sites, in particular during ongoing Left-looking cycles over Ross and Ronne glaciers [B. Scheuchl]

Polarimetric Super Sites:

 Continue with POL observations over 6 selected Super Sites (Mexico, Canada, Sweden, USA) also after April 2019 (all Post-KC members)

K&C polarimetric super sites



LOS

Polarimetric Super Sites

- Proposed last year. About half selected.
- Continue with Kiuic, Mexico, during March-April
- Continue with remaining selected super sites (Arkansas, Stordalen, Alberta, CB Arctic Watershed, Alaska)
- Joao to propose new BIOMASS site for JAXA's consideration (consider bilateral ESA/JAXA)

Descending	Conflicting World polygon	2018																					
		Jan			Feb		Mar		Apr		May		Jun		J	Jul		Aug		Sep		Oct	
Full-Pol Super Sites		91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
Thai Binh, Vietnam	Wet-Def-1	\square				\square'	\Box	\square		\Box			<u> </u>		\square	\Box	\square'	\Box	\Box		<u> </u>	\square'	
Arkansas, USA	-	\square	<u> </u>	\Box '	<u> </u>	匚'	\Box '	<u> '</u>	<u> </u>	<u> </u>	\Box	-'	FP	\Box'	FP	FP	FP	FP	<u> </u>	FP	<u> </u>	\Box'	
Stordalen, Sweden	-	\square'	<u> </u>	()'	<u> </u>	<u> </u>	\square'	\square'	<u> </u>	FP	4'	FP	<u> </u>	FP	('	FP	 '	FP	<u>` '</u>	FP	<u> </u>	<u> </u>	<u> </u>
Kruger National Park, South Africa	Wet-Def-2	\square'	\square	\square	<u> </u>	\square'	\Box'	\square'	\square'	\square'	\square'	\square	\square'	\Box	\square'	\Box'	\square'	\Box'	\Box'	\Box	\square'	\square'	
Kiuic, Mexico	Wet-Def-1	\square'	\Box	\square	\Box	\square'	FP	\square'	FP	FP	\square'	FP	\square'	\Box	\square'	\Box'	\square'	\Box'	\Box'	\Box	\square'	\square'	<u> </u>
Kedah-Perak, Malaysia	Wet-Def-2	\square'	\Box	\square	\Box	\square'	\Box'	\square'	\Box'	\square'	\Box	\square	\square'	\Box	\square'	\Box'	\square'	\Box'	\Box'	\Box	\square'	\square'	
Negro-Solimoes, Brazil	Wet-Def-2	\square	\Box	\Box	<u>'</u>	\square'	\Box	<u>'</u> '	\Box'	<u>`</u> _'	\Box	\square	<u>ر </u>	<u>ر</u>	<u>`</u> _'	\Box	\square'	\Box '	\square'	<u>ر ا</u>	<u>ر </u>	\Box '	
Pacaya Samaria Reserve, Peru	Wet-Def-2	\square	<u> </u>	<u> </u>	<u>'</u>	<u> </u>	\Box '	<u>'</u> '	\square'	<u>`</u> _'	\Box	\square	<u>ر </u>	<u>ر</u>	<u>`</u> _'	\Box '	\square'	\Box '	\square'	<u>ر</u>	<u>ر </u>	\Box '	
Ontario, Canada	_	\square	<u> </u>	<u> </u>	<u>'</u>	<u> </u>	\Box '	<u> </u>	\square'	<u>`</u> _'	(\Box)	\square'	<u>`</u> _'	<u>(</u>	<u> </u>	\Box '	\square'	\Box '	<u> </u>	<u>(</u>	<u>`</u> _'	\Box '	\Box
Alberta, Canada	NISAR(?)	\Box	\Box	\Box	'	FP	\Box	(\Box)	FP	\square'	\square	FP	\square'	\Box	FP	\square'	\square	FP	\square'	\square	FP	\square'	
CB Arctic Watershed, Canada	-	\square	<u> </u>	\Box '	<u> </u>	FP	<u> </u>	\square	FP	<u> </u>	\Box	<u> </u>	<u> '</u>	\Box'	FP	<u> </u>	\square	FP	<u> '</u>	\Box	FP	<u> </u>	\Box'
Alaska (same as Area 60 above)	Wet-Def-2, NISAR	1′	<u> </u>	(<u> </u>	FP	(FP	FP	<u> </u>	FP	FP	<u> </u>	FP	(- '	FP	FP		FP	FP	<u>، </u>	FP	

K&C Special issue:

LOS

- Inquiries sent to Ecologica, Remote Sensing of Ecology and Conservation and AGU journal fo Earth and Space Science.
- Positive reply from Remote Sensing of Ecology and Conservation (RSEC)
- Potential contributors:
 - Kyle/Jessica Amazon inundation
 - Kyle/Brian Lam coastal?
 - Lisa Myanmar, KC overview
 - Josef scansar time series signals dual pol time series for forest and wetland dynamics
 - Maurizio biomass/carbon changes in sweden (maybe another journal).
 - Misha deforestaion mapping time series
 - Humberto selective logging detection
 - Dirk ecological mapping of amazon, flood freq mapping
 - Pete Bunting global mangrove watch
 - Bruce boreal wetlands with L-band SAR
 - Richard, CESBIO, AGS, Thiago, others -?

RECOMMENDATIONS

- Correction of errors in SigmaSAR processor.
- Reprocessing of PALSAR-2 25m global mosaics by either SigmaSAR or alternative processor.
- Reprocessing of PALSAR-2 ScanSAR mosaics by either SigmaSAR or by alternative processor.
- Generation of low resolution (100-250 m) FBD 'mosaics per cycle' mosaics to avoid seasonal discontinuities.
- Include flag in metadata to indicate data that were seriously affected by ionospheric artefacts (e.g. scalloping).
- Continue Left-looking InSAR observations over key Antarctica glaciers.
- Assess actual 30% duty cycle capacity and keep PALSAR-2 BOS 10m FBD global observations as frequent as possible.