

The Sunset Committee — Update

Warren Wiscombe
Brookhaven Nat'l Lab
& NASA Goddard

A sunset scene over a body of water, with palm trees in the foreground. The sky is filled with orange and pink clouds, and the water reflects the colors. The palm trees are silhouetted against the bright sky.

SunsetComm is coordinated by Ric Cederwall (CS Team) with members...

Tony Del Genio

Rich Ferrare

Jay Mace

Matt Shupe

Dave Turner

Ed Westwater

Warren Wiscombe

Raymond McCord

Jimmy Voyles

Jim Mather

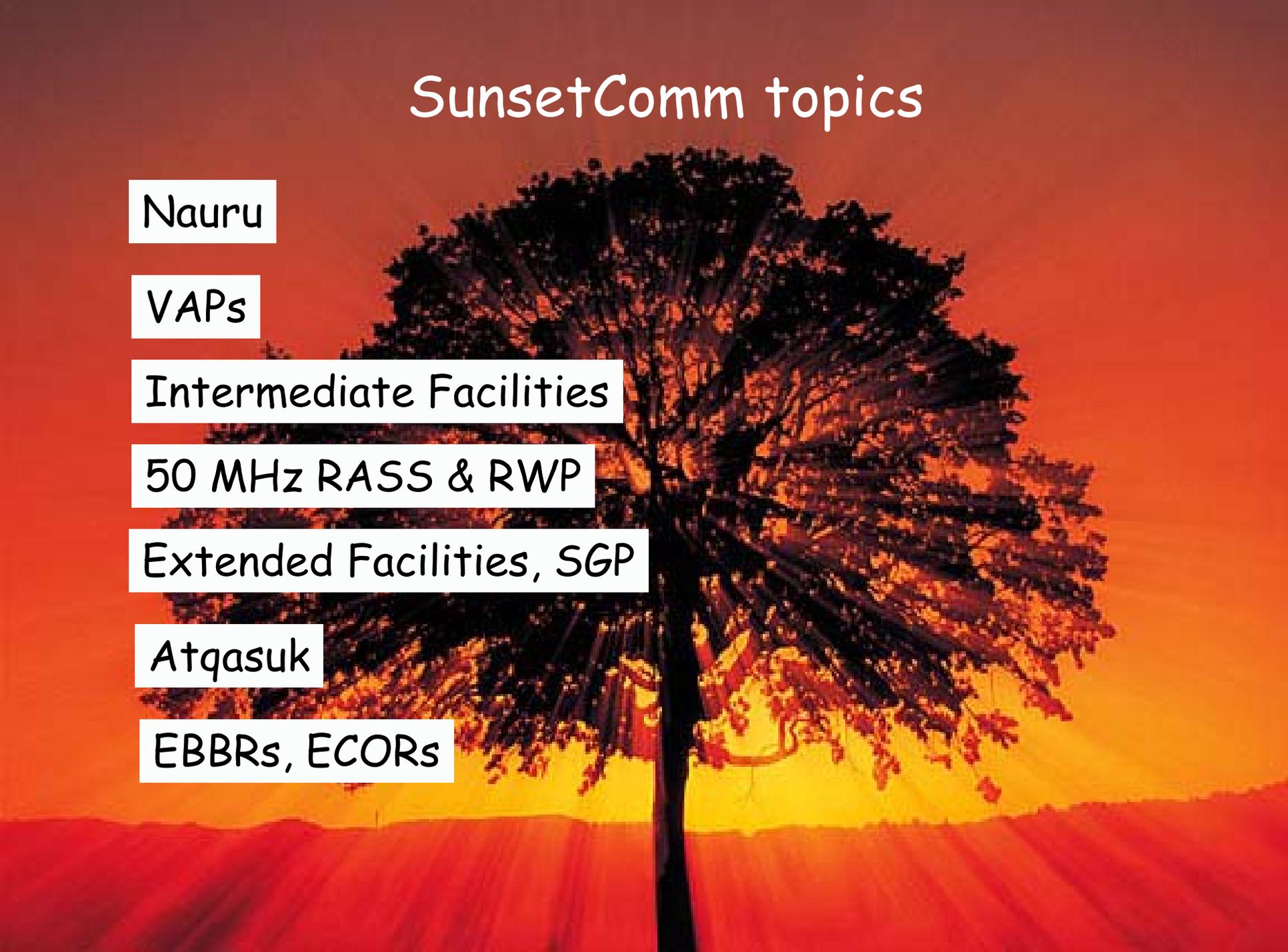
Jim Liljegren

Doug Sisterson

Some underpinnings and principles

- Orderly & continuous sunseting helps to "keep ARM lean, focused, and producing high quality data"
- ARM can no longer give every single ARM PI every data stream, VAP, and instrument they want
- Sunseting is unnatural for WGs and they have been spectacularly unsuccessful at it
- Cost is not our primary consideration
- If we lack enough internal knowledge, we ask for briefings from outside experts
- We report directly to STEC

SunsetComm topics



Nauru

VAPs

Intermediate Facilities

50 MHz RASS & RWP

Extended Facilities, SGP

Atqasuk

EBBRs, ECORs

SunsetComm VAP Prioritization Exercise

Method: Nine members selected their top 5 VAPs (each given a score of 3) and their "second 5" VAPs (each given a score of 1); 27 is a perfect score.

<u>Score</u>		<u>FTE</u>
27	ARSCL	0.8
18	Variational Analysis	1.0
16	Microbase	0.8
16	Merged Sounding	0.5
16	MWR RET	0.4
12	QC Rad	0.1
11	Aerosol Best-Estimate	0.3
10	BE Flux [SGP CF only]	0.1
10	Micro-ARSCL	0.7
9	RLPROF BE	0.8

VAP Prioritization Exercise - 2

<u>Score</u>		<u>FTE</u>
4	MFRSR AOD	0.3
4	MPL NOR [cloud boundaries]	0.5
4	Cloud-Type Classification	0.5
3	BA-EBBR	0.3
3	Full Flux Anal [LW plus SW]	0.5
2	MFRSR Cld OD	0.1
2	MPL CLD VIS	0.3
		—
	Saturation Line	8.0

VAP Prioritization Exercise - 3

<u>Score</u>		<u>FTE</u>
1	AERI NoiseFilter	0.1
1	AERIPROF	0.5
1	SW Flux Anal	0.1
1	MPL POLARIZATION	0.3
1	Surface Spectral Albedo	0.5
		—
	Oversaturation Line	9.5

SunsetComm summary opinion on VAPs

SunsetComm recommends a stern resolve to fix the VAP problem using the clean slate approach. Previous efforts by the Translators have been laudable and have sunsetted 11 VAPs, but have not gone far enough to put us in a position where we can say "we are doing an excellent job on all remaining VAPs". The sense of the SunsetComm is that the list in Appendix B of our report should guide the clean-slate approach; we recommend setting the cutoff line higher than the 8 FTE line (eg between the VAP that got 9 votes and the next one down which got 3) in order to allow for urgent new VAPs and also to provide some breathing room against foreseen (but now unbudgeted) reprocessings and unforeseen emergencies. In other words, we recommend moving from an oversaturation situation to an undersaturation one, since we feel that just moving from an oversaturation to a saturation situation will only lessen but not eliminate the thrashing.

SunsetComm summary opinion on VAPS - 2

Once the line is drawn in Appendix B, we recommend freezing the VAP list for a year, after which time the ARM Infrastructure hopefully can say "We are doing an excellent job on all remaining VAPs". We recommend making this freeze a "hard freeze" (ie add nothing substantially new except in dire emergency, and only then if new resources are identified to do the new VAP). We recommend that the STEC revisit the VAP list in a year and recommend at that time whether or not to lift the freeze, and if so, what new VAPs to add to the list.

SunsetComm summary opinion on VAPS - 3

SunsetComm is not recommending sunseting BBHRP even though BBHRP is not on the Appendix B list. We do recommend putting BBHRP in a new category called "testbed" and funding that category separately from VAPs (perhaps QMEs were also testbeds). We think VAPs should be well-defined not a catch-all term, and our recommendation has offered a carefully argued definition; one crucial part of that definition is that a VAP should be a routine, community-consensus product, not a research product. BBHRP is a research product.

The Official SunsetComm Seal of Approval

