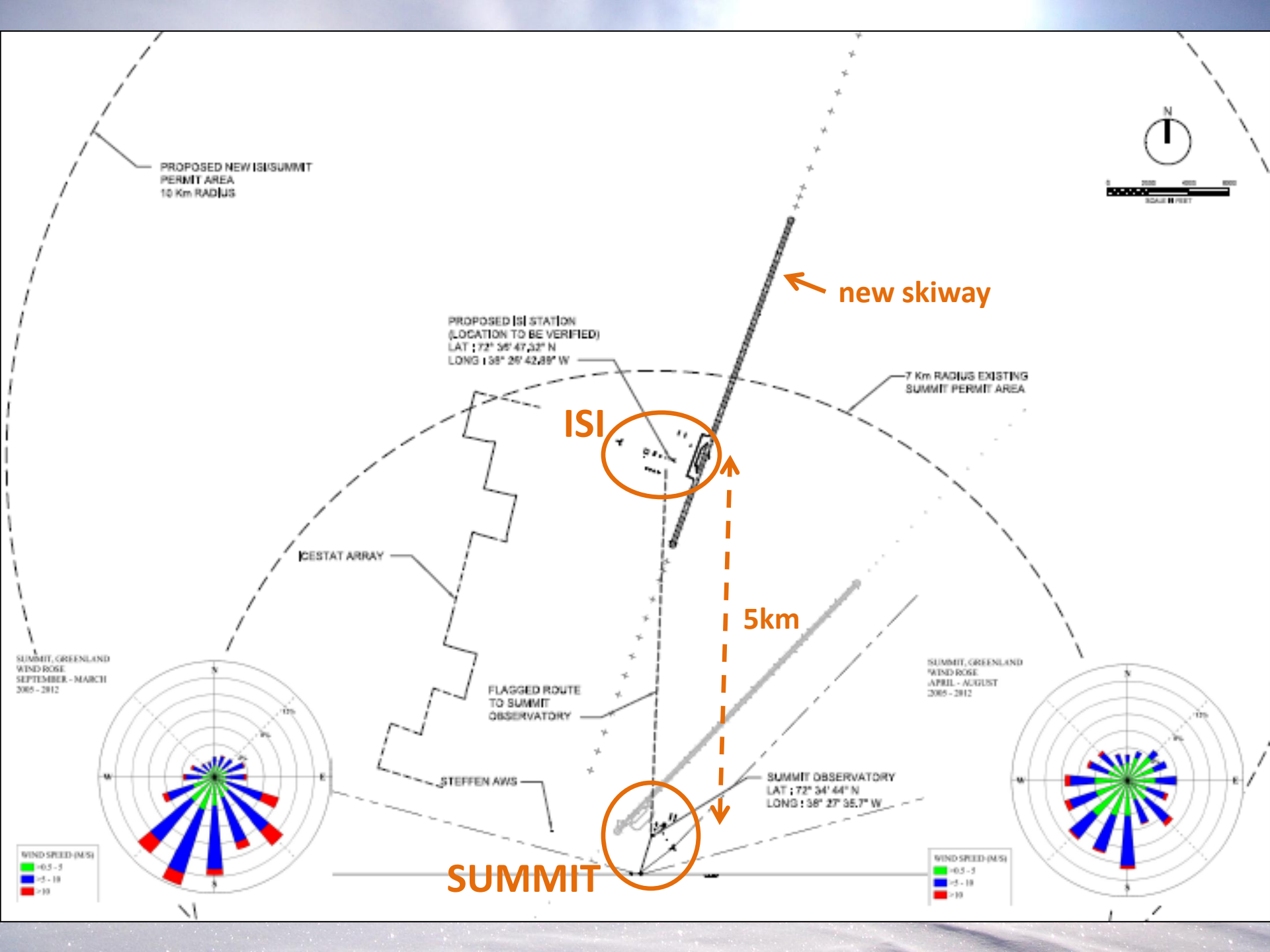


GEO Summit Meeting 2014

summary of Isi / Summit plans



NASA Goddard · January 31, 2014



Greenland Telescope Project



Future Greenland Telescope at the VLA, New Mexico. 2012.

- 12-meter radio telescope
- Summit area is ideal because of low temperature, low water vapor, and stable atmosphere.
- SAO and ASIA-A are developing agreements with the NSF.
- Plan for telescope to ship via vessel to Thule, 2015; onward to Summit via GrIT, 2018.

Atmospheric Watch Observatory



AECOM /
Broughton
projection of the
future AWO
structure.

- Design from AECOM / Broughton is 100% complete.
- Communication with research community stakeholders during the design phase to incorporate critical features.

Key timeline milestones:

2014:

- Berthing module to Summit via GrIT.
- CPS delivery of Isi scoping document to the NSF.
- Isi garage design, procurement, and fabrication.

2015:

- Design Isi living, dining, and power modules.
- AWO procurement and fabrication.
- Procure Summit / Isi commuter vehicle and ship to Thule.
- Construct new 50-meter tower at Summit.
- Procure and fabricate Isi support camp.
- Design, procure, and fabricate science traverse modules.
- Procure and fabricate telescope support structure.
- Telescope and foundation to Thule via vessel.

Key timeline milestones:

2016:

- Fabricate AWO and vessel to Thule.
- Drive Summit / Isi commuter vehicle with GrIT.
- Procure and fabricate Isi power module.
- Isi garage fabricate, vessel to Thule, and GrIT to Summit.
- Science traverse modules fabricate and vessel to Thule.
- Summit garage design, procure, and fabricate.
- Isi support camp fabricate and vessel to Thule.
- Telescope support structure fabricate and vessel to Thule.
- Construction of telescope pad at Isi.
- Isi skiway construction, and removal of Summit skiway.

Key timeline milestones:

2017:

- Fabricate and vessel to Thule: Summit garage and Isi living, dining, and power modules.
- Items via GrIT to Summit: AWO, science traverse, Isi support camp, and telescope support structure and power.
- Construct AWO at Summit.
- Construct telescope support structure and support camp at Isi.
- Retro TAWO structure.

2018:

- Procure, fabricate, and vessel to Thule, Summit E-Gen.
- Items via GrIT: Isi power, Summit garage, Telescope.
- Construct garage at Summit.
- Construct power module and telescope at Isi.

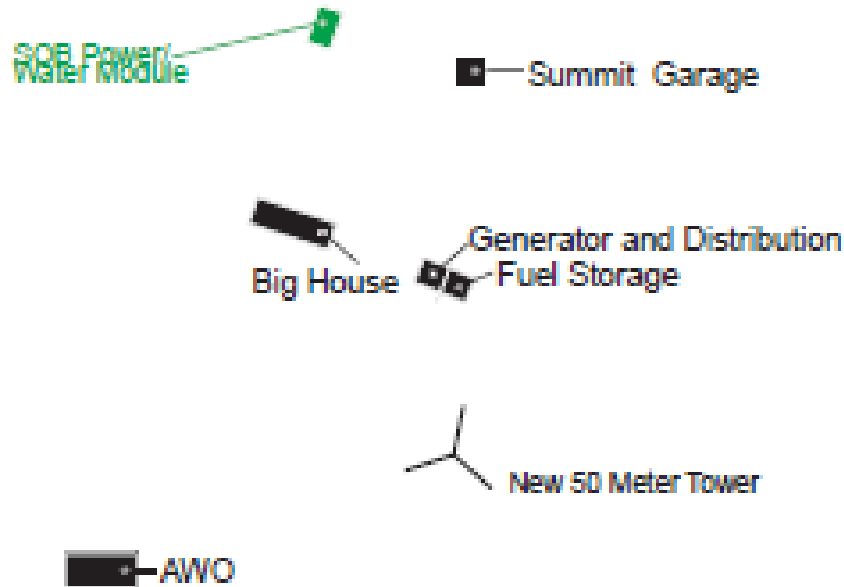
Key timeline milestones:

2019:

- Items via GrIT: Summit E-Gen, Isi living and dining modules.
- Construct living and dining modules at Isi.
- Construct E-Gen and reconfigure Big House at Summit.
- Demob / retro remaining Summit infrastructure.


Final Configuration...

SUMMIT



LEGEND

- Existing
- Demo
- Relocation (Original)
- Relocation (New)
- New



Final Configuration...

ISI

