

Radiosonde Issues:

*Out of the **Tropics**
and off to the **Arctic!***

*(keeping in mind both poles,
other platforms,
and non-YOPP times)*

Radiosonde(+) Issues: Station Lists

- **Multiple station ID systems**

- IATA (International Air Transport Association) 3-letter
- ICAO (International Civil Aviation Organization) 4-letter
- IGRA2 (Integrated Global Radiosonde Archive V2) Special UA StationID-based 8-char
- MASLIB (Master Station Library) WMO-based 6-digit
- VOS (Voluntary Observing Ship) n-character
- WBAN (Weather Bureau Army Navy) 5-digit
- WIGOS (WMO Integrated Global Observing System)
n-nnnnn-nnnnn-x[xxxxxxxxxxxxxxxxxxx]
- WMO (World Meteorological Organization) 5-digit

- **Multiple country code systems, including**

- FIPS (Federal Information Processing Standards)
- ISO (International Organization for Standardization)

- **“Internal” coded identifier**

- IGRA2 Station Identifier CountryCode/Network/StationID-based 11-character

Radiosonde(+) Issues: Station Lists

- NOAA/NCEP/Climate Prediction Center's (**CPC**)
Global Station Directory
- NOAA/NCEI's
Integrated Global Radiosonde Archive V2 (**IGRA2**) station list
- WMO's
Observing Systems Capability Analysis & Review (**OSCAR**)
Tool
- Greg Thompson's surface station listing at
UCAR/NCAR/Research Applications Program (**RAP**)
- Weather Graphics's (**WxGfx**)
Master Location Identifier Database

Radiosonde(+) Issues: Stations Poleward of 60° (NH & SH)

- **CPC**
 - 1704; probably includes surface sites
- **IGRA2**
 - 201; upper-air only and long-term
- **OSCAR**
 - 102; I searched for radiosonde only
- **RAP**
 - 523; surface sites
- **WxGfx**
 - 3462; includes land surface, ships, buoys

Radiosonde(+) Issues: One Station Poleward of 60° (“Barrow”)

	CC	CD	Station	WMO	WBAN	ICAO	IATA	WIGOS ID	Lat (deg)	Lon (deg)	Elev (m)
CPC	US		BARROW/POST-ROGERS	70026		PABR			71.3	-156.78	4
IGRA2	US	AK	BARROW/W. POST W. ROGERS	70026					71.2889	-156.7833	11.9
OSCAR	US		BARROW/W. POST W. ROGERS	70026				0-20000-0-70026	71.2889	-156.7833	12
RAP	US	AK	BARROW	70026		PABR	BRW		71.2833	-156.8	7
RAP	US	AK	BARROW ARM-NSA	70027					71.3167	-156.6167	7
WxGfx	US		Nsa Barrow Facility Barrow, Ak	70027					71.3233	-156.6158	8
WxGfx	US		Wiley Post-Will Rogers Memorial Airport	70026	27502	PABR	BRW		71.2849	-156.7686	14.9

Radiosonde Issues: MODF Questions

- **Data sent to GTS, or richest data available?**
 - If GTS, where find?
 - If richest (closest to original), additional QC?
- **Spread through time & space, or at 1 time / 1 location?**
- **Nominal time vs. launch time?**
- ...