



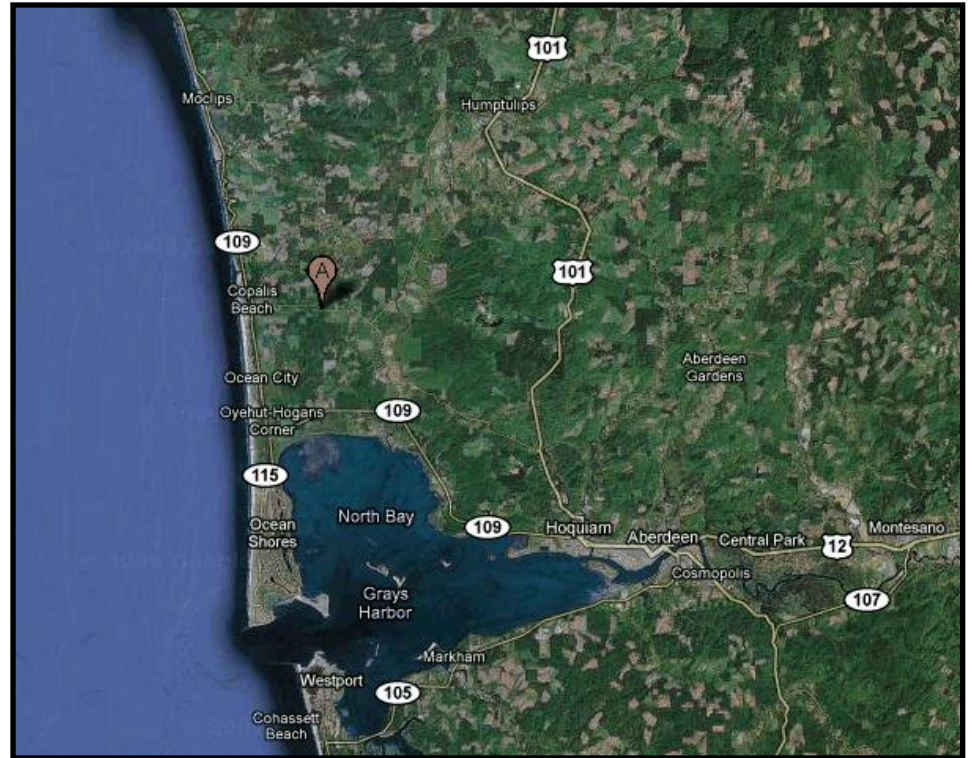
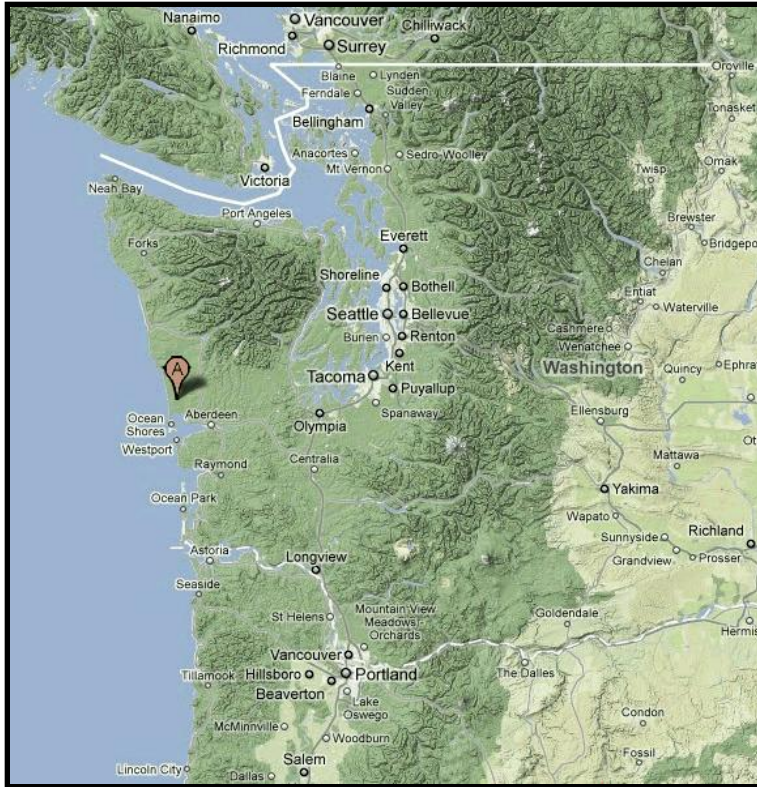
KLGX
Langley Hill, WA
Low Elevation Angle Test

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Applications Branch
Radar Operations Center

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NEXRAD Technical Advisory Committee



KLGX – Langley Hill, WA





KLGX – Langley Hill, WA

- Land Lease Pending
- New angle less than 0.5° and not below 0.0°
- Angle will be based on environmental assessment by SRI

Impacted NWS Offices:

WFOs Seattle and Portland

Seattle CWSU

Northwest River Forecast Center (Portland)

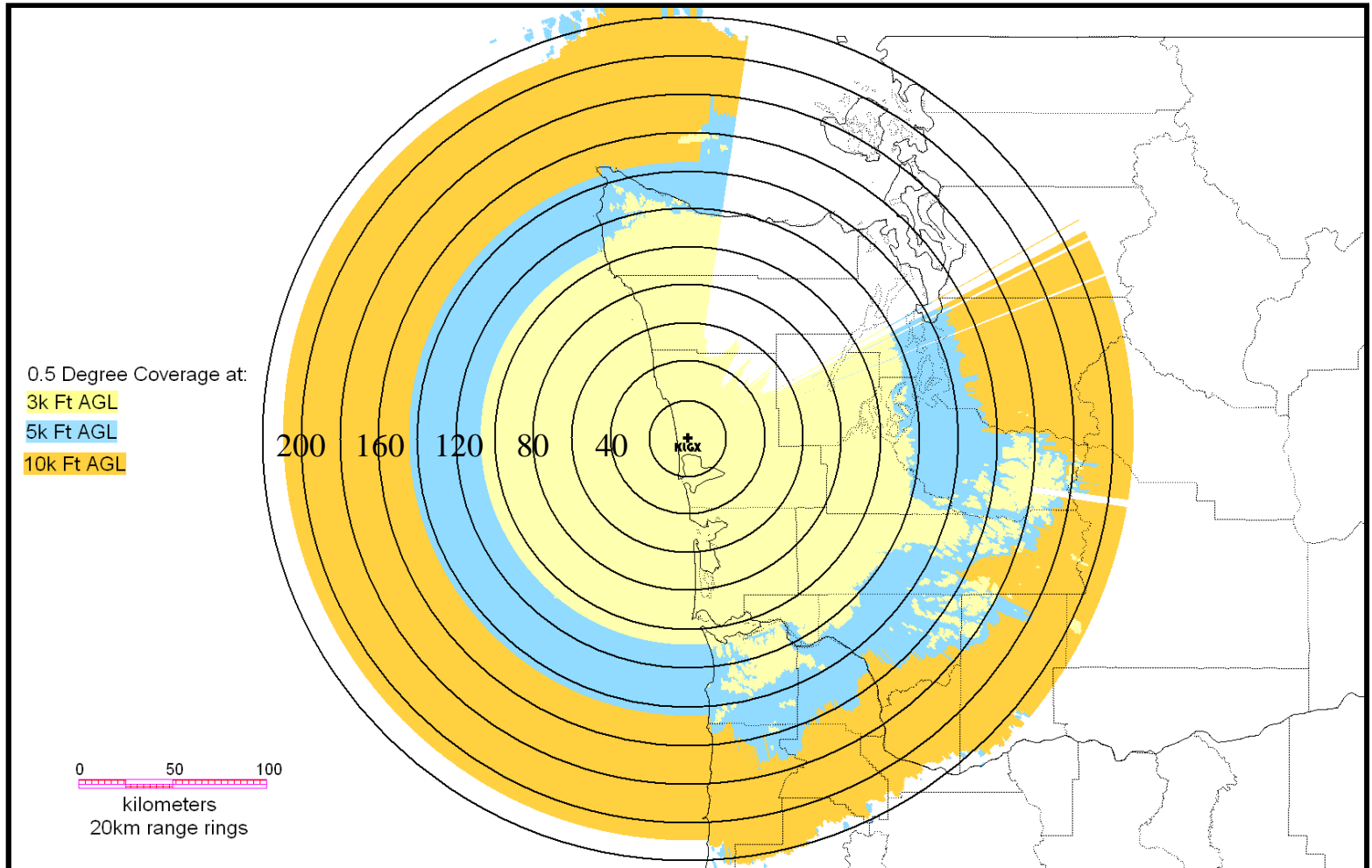
Expected Benefits:

- Improved coverage over marine layer
- Improved detection of low pressure systems and fronts
- Improved precip estimates at longer ranges
- Experimental VCPs (containing new angle) translated to standard VCPs for processing by the Operational RPG.
 - Experimental VCP data disseminated via Level II



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0.5 degree Coverage





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0.2 degree Coverage

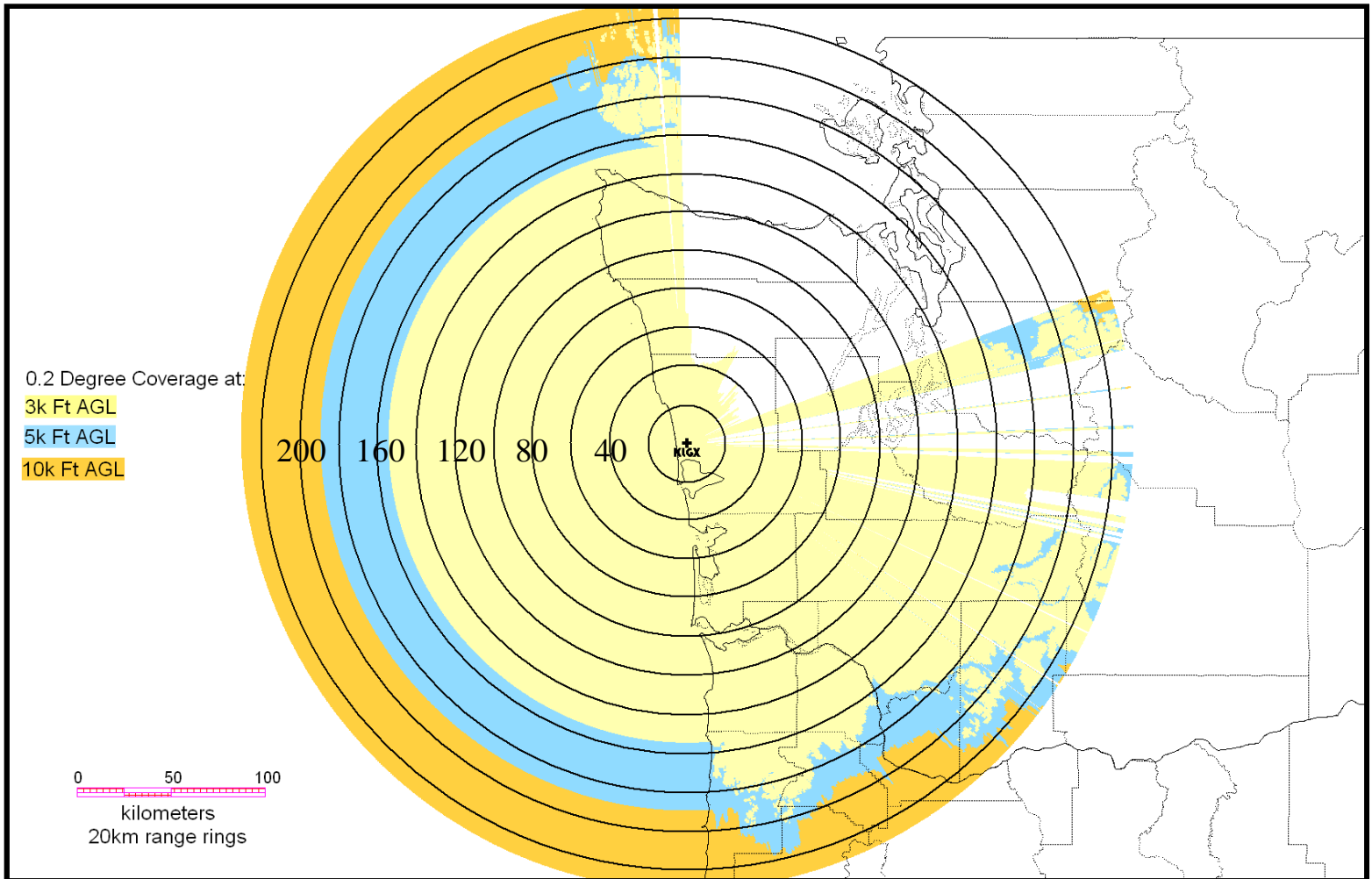
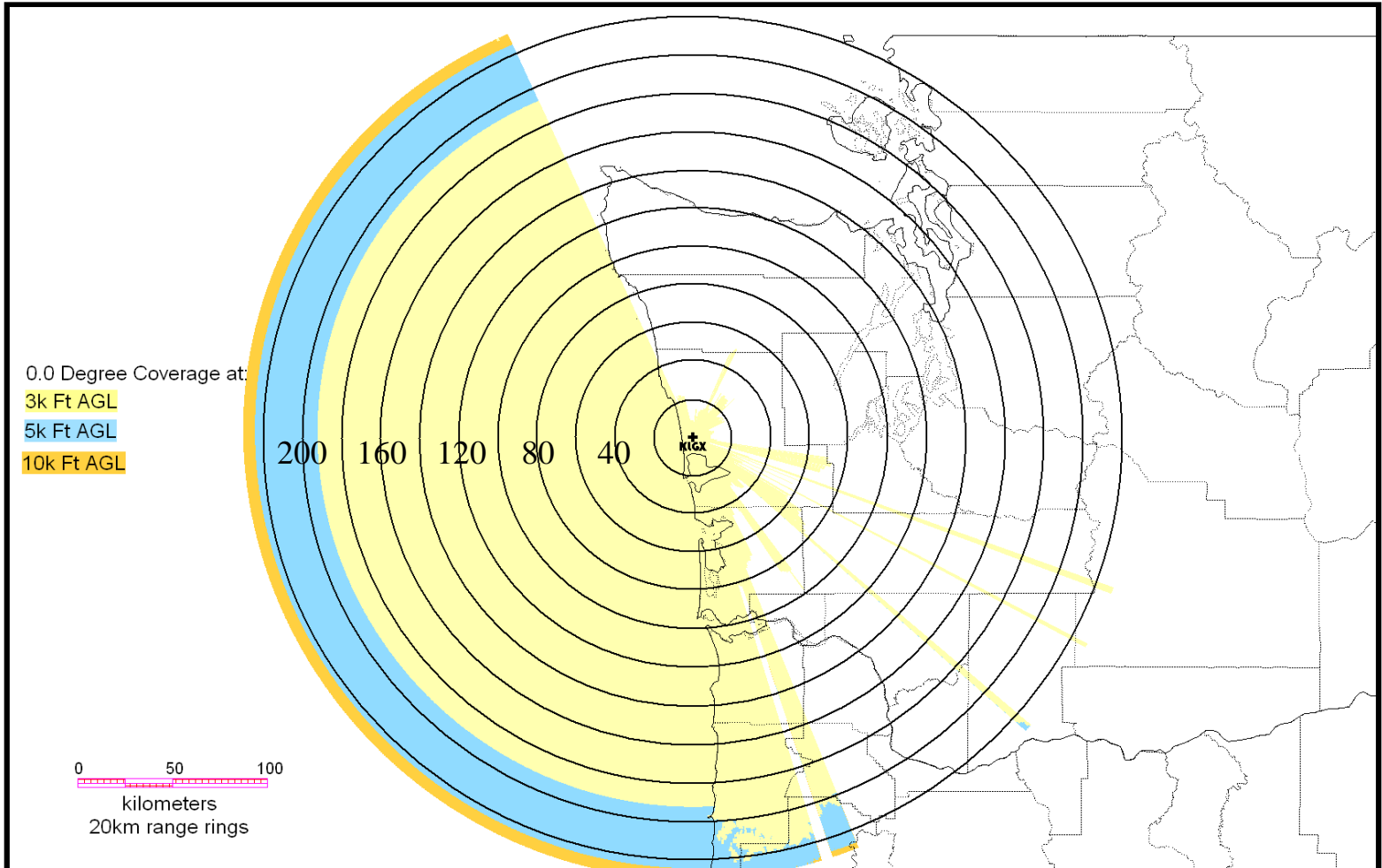


Image: Ron Guenther



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0.0 degree Coverage





KLGX – Langley Hill, WA

- Low Angle Test for 1 year
- KLGX will retain entire suite of network-wide VCPs
- Corresponding Experimental VCP (with new angle) for each standard Clear Air and Precip mode VCP
- Lower angle data only distributed as Level II Base Data to NWS LDM server
- Lower angle products not distributed to AWIPS, WARP, or other displays
- Products in AWIPS will appear to be from standard VCPs

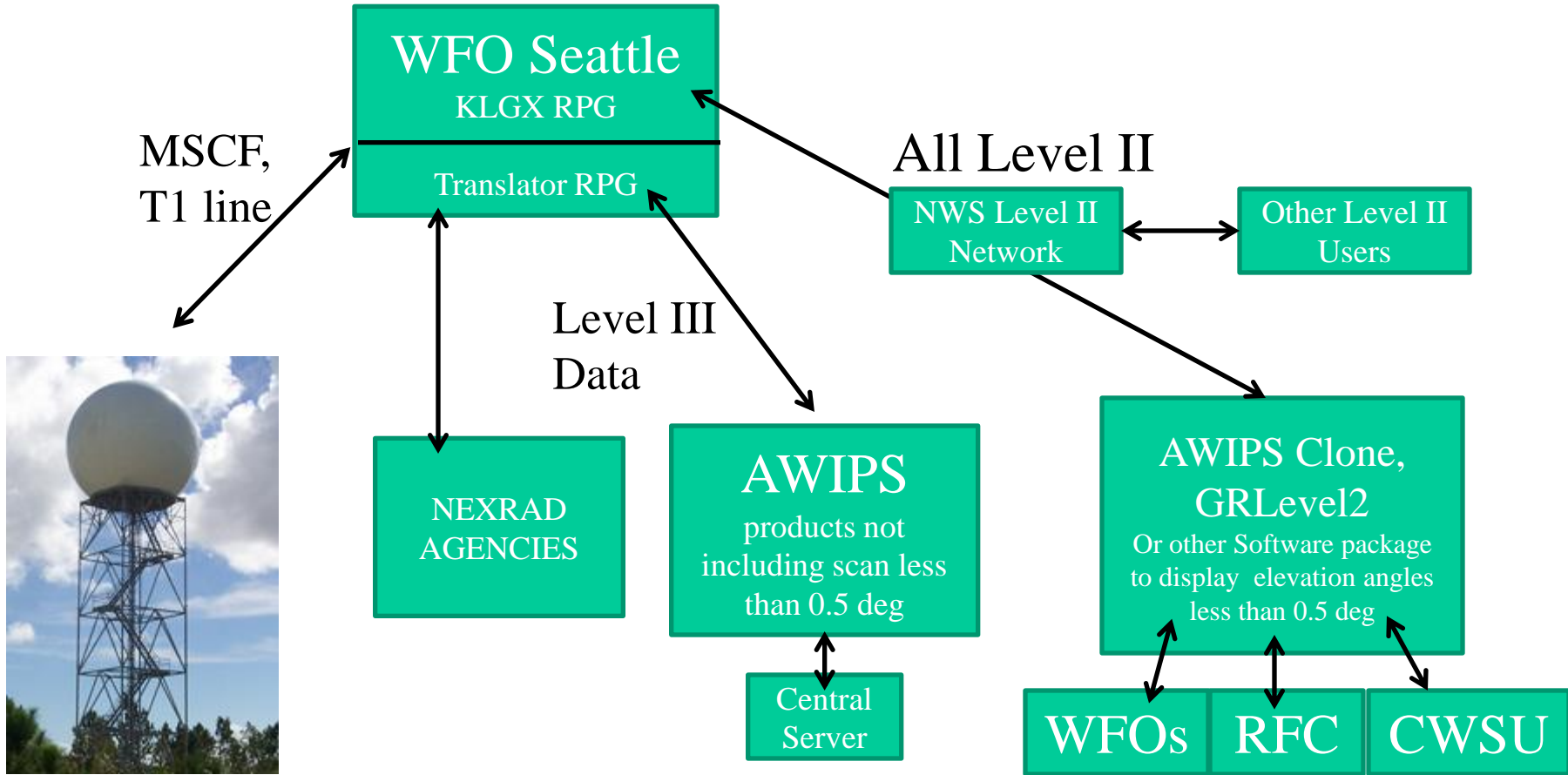


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Operational: Fall 2011

- RPG Clone will provide WFOs Seattle & Portland with lower angle data
- AWIPS Clone will enable the WFOs to view base & derived products with/without new angle
- AWIPS Clone not operational, only for data evaluation
- Seattle CWSU and Northwest RFC will need Gibson Ridge Level2 (or NOAA Weather & Climate Toolkit) software to view
- Level II data archived at NCDC
- Level III products generated without use of new angle
- VCP durations increase 30 sec to 2.5 minutes

KLGX Data Flow



KLGX



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