



GOES Direct Broadcast User (GVAR, GRB)

- 1996 2005: Kennet Square, PA
- 2005 Present: Malvern, PA (Tredyffrin Township, 40.054N 75.511W)
 - Two 3.7m L-band (GOES-East, GOES-West)
 - Backup 3.0m (NWWS)
 - 3.7 C-band for NOAAPort receive/Unisys C-band transmission/receive

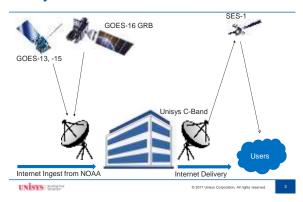
110 yard





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Unisys "GOES to User" Architecture



Concerns

- Contractual bound SLAs require delivery of products within 60 seconds of receipt at 99.9% or greater (radar)
- Several outages at critical network junctions caused loss of terrestrial connectivity to remote sites
- Issues persist with internet delivery from NOAA
- Several clients have ground stations in rural locations with limited internet access
- Wireless connectivity can be severely degraded during emergencies (weather) or unanticipated civil events (Kansas City baseball gathering)
- CDM outages and bottlenecks (derecho, config changes, new season of OITNB)

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