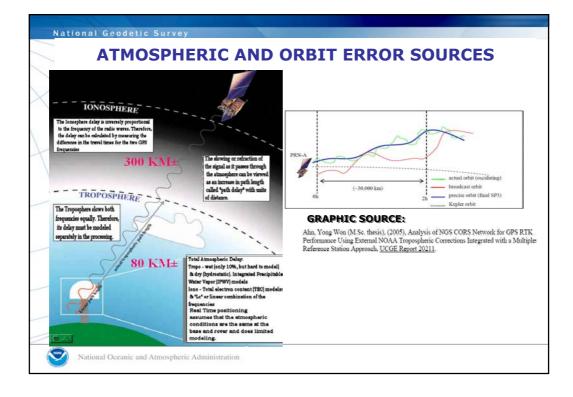
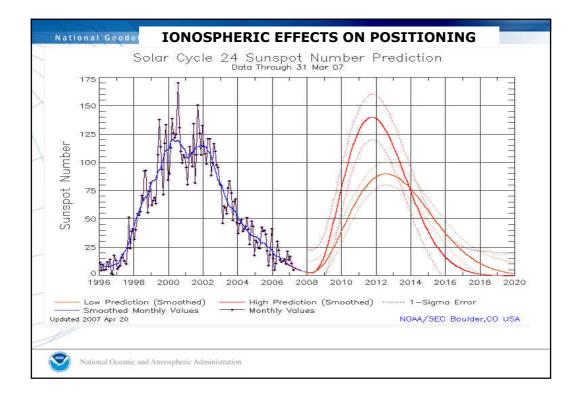


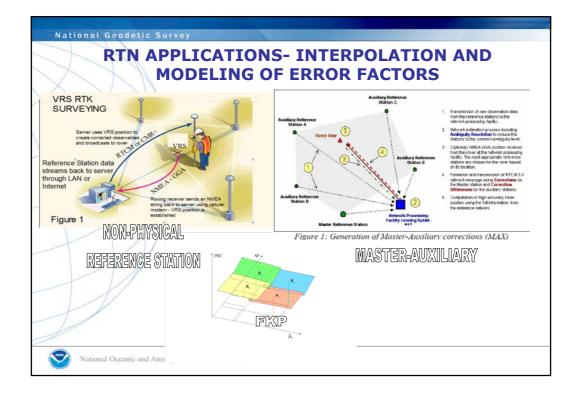
USER EXPERTISE MEANS CONSIDERING:
- Multipath
- Position Dilution of Precision (PDOP)
- Baseline Root Mean Square (RMS)
- Number of satellites
- Elevation mask (or cut-off angle)
- Base accuracy- datum level, local level
- Base security
- Redundancy, redundancy, redundancy
 Part(s) Per Million Error (ppm)- iono, tropo models, orbit
errors
- Space weather- sunspot numbers, solar maximum
- Geoid quality
- Site calibrations (a.k.a. Localizations)
- Bubble adjustment
- Latency, update rate
- Fixed and float solutions
- Accuracy versus Precision
- Signal to Noise Ratio (S/N or C/N0)
- Float and Fixed Solutions
- Carrier phase
- Code phase
- VHF/UHF radio communication
- CDMA/SIM/Cellular TCP/IP communication
- WGS 84 versus NAD 83, or other local datums
GPS, GLONASS, Galileo, Compass Constellations

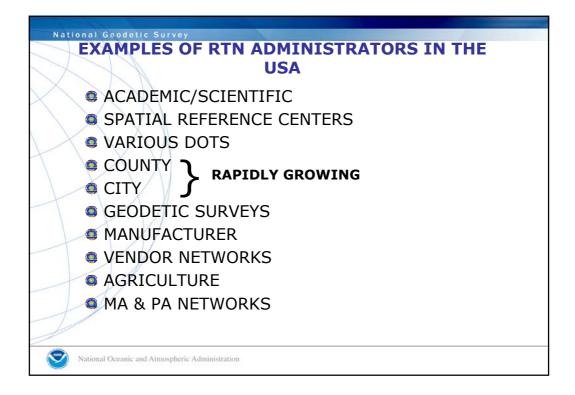


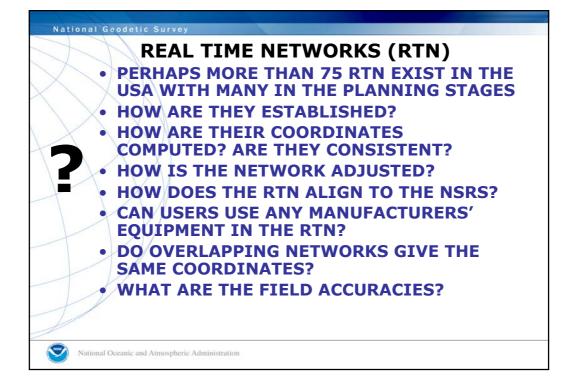


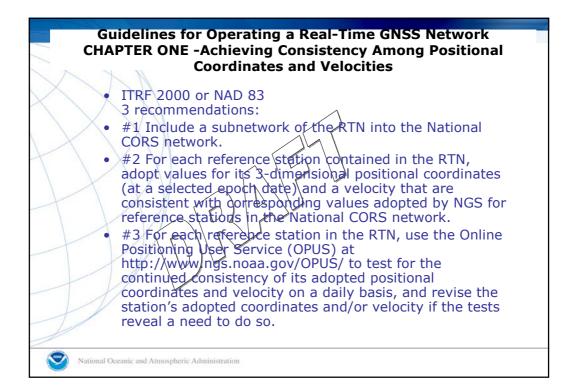
	ACCURAC			
	CLASS RT1	CLASS RT2	CLASS RT3	CLASS RT4
ACCURACY (TO BASE)	0.015 HORIZONTAL., 0.025 VERTICAL	0.025 HORIZONTAL., 0.04 VERTICAL	0.05 HORIZONTAL., 0.06 VERTICAL	0.15 HORIZONTAL., 0.25 VERTICAL
REDUNDANCY	≥ 2 LOCATIONS, 4-HOUR DIFFERENTIAL	2 LOCATIONS, 4-HOUR DIFFERENTIAL	NONE	NONE
BASE STATIONS	≥ 2, IN CALERATION PROJECT CONTROL	RECOMMEND 2 IN CALERATION	≥ t , IN CALIBRATION	≥ 1 , N CALERATION RECOMMENDE
PDOP	≰ 2.0	≤ 3.D	≤4.0	≤6 0
RMS	≤ 0.01 M	≤ 0.015 M	≤ 0.03 M	≤ 0.05 M
COLLECTION INTERVAL	1 SECOND FOR 3-MINUTES	5 SECONDS FOR 1-MINUTE	1 SECOND FOR 15 SECONDS	1 SECOND FOR 10 SECONDS
SATELLITES	≥7	≥6	5	≥5
BASELINE DISTANCE	≤ 10 KM	s 15 KM	≤ 20 KM	ANY WITH FIXED SOLUTION
TYPICAL APPLICATIONS	PROJECT CONTROL CONSTRUCTION CONTROL POINTS CHECK ON TRAVERSE, LEYELS SCENTIFIC STUDIES PAVING STAKE OUT	DENSFICATION CONTROL TOPOGRAPHIC CONTROL PHOTOPOINTS UTLITY STAKE OUT	TOPOGRAFHY CROSS SECTIONS AGRICULTURE ROAD GRADING SITE GRADING	STE GRADING: VETLANDS GIS POPULATION MAPPING ENVIRONMENTAL

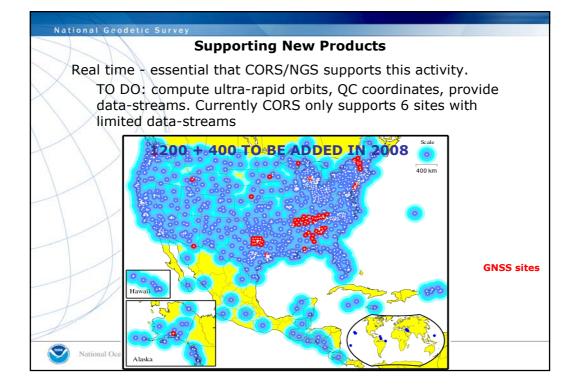


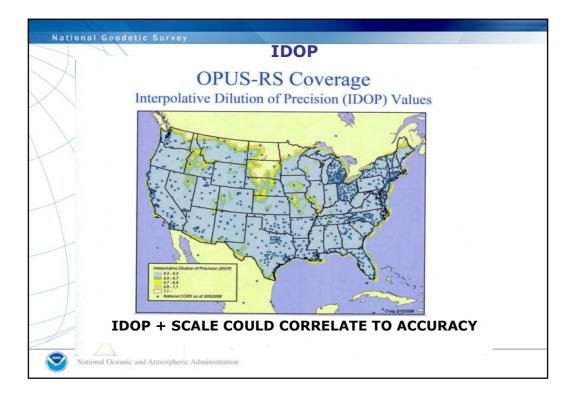


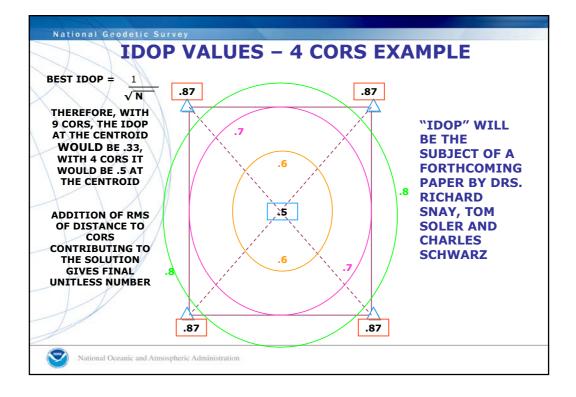


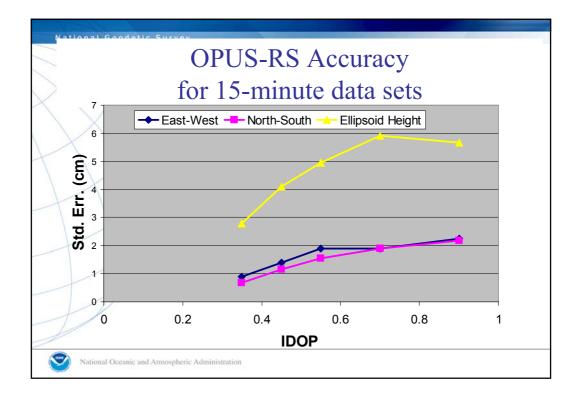


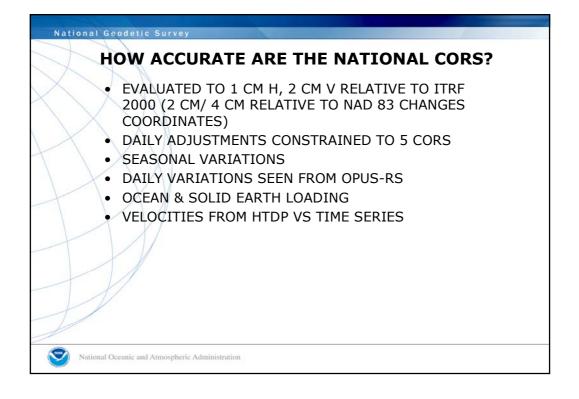


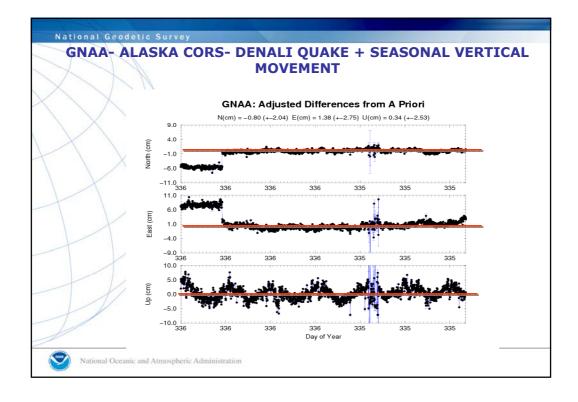














National Geod	etic Survey							
ISO GUIDELINES								
• The Int 172, S for "GN	TSO	DRAFT INTERNATION ISO/TC 172/SC 6 Voting begins on: 2006-08-18	AL STANDARD ISO/DIS 17123-8 Secretariat: SNV Voting terminates on: 2007-01-18	nmittee esting (RTK) "				
<u>http://</u> <u>htm?cs</u>			2001 СТ. 10 Тандартизации - оркамизатіон інтернатіонаце de нормацізатіон	<u>detail.</u>				
	 "are evaluat Optics and optical instruments — Field procedures for testing geodetic and surveying instruments — 							
	Part 8: GNSS field measurement systems in real-time kinematic (RTK)							
	Optique et instruments d'optique — Méthodes d'essai sur site pour les instruments géodésiques et d'observation —							
1	Partie 8: Systèmes de mesure GN ICS 17.180.30	NSS sur site en temps réel cine	9matique					
National Ocean	ic and Atmospheric Administrati	ion						

