

December 19, 2002

MEMORANDUM FOR: Gary Means
NGS Project Coordinator

J. Ross Mackay
State Project Coordinator

FROM: Charles W. Challstrom
Director, National Geodetic Survey

SUBJECT: PROJECT INSTRUCTIONS: Kentucky Federal Base Network
Survey

You are hereby tasked to facilitate a geodetic survey as described in "[*Standing Instructions: State-Sponsored FBN Surveys*](#)" dated December 21, 2001. Utilize the following project identifiers as appropriate:

Title: KENTUCKY FBN, 2002
Accession number: GPS-1547
Task Numbers: 8K6D2000 (FBN)

A proposed station list, map, observation schedule, and list of project deliverables are attached.

Attachment

N/NGS21:JGEvjen:713-3194:amg:12-16-02
C:\MYFILES\INSTRUCTIONS\KY-GPS1547

STATE DELIVERABLES

STATE PROJECT COORDINATOR = J. Ross Mackay
Office for Geographic Information, 21 Millcreek Park, Frankfort, KY 40601
Telephone: 502-573-0189, Fax: 502-573-1711, Email: Ross.Mackay@mail.state.ky.us

FILE TYPE	SOFTWARE	FILE NAME	DESCRIPTION	STATUS
R-files (raw GPS data)	receiver software receiver or TEQC	4444DDDS.XXX 4444DDDS.02n,4444DDDS.02 o	Raw GPS observables in receiver-dependent format. Convert files to Receiver-Independent EXchange (RINEX) format.	
B-file (observation metadata)	CR8BB v.5.5.2 GEOID99	KY_FBN.bfl	Input observation data from observation logs. Add modeled geoid heights.	
D-file (station descriptions)	WDDPROC v.4.xx	KY_FBN.dsc	Input station data from description logs.	
Survey Forms	For each station: GPS observation logs , pencil rubbings , description log , visibility diagram .			
Photographs	Photos & formats described in " Requirements for Digital Photographs of Survey Marks & CORS Antennas "			
Field Project Report	A sample report format is available.			

Detailed descriptions of project deliverables can be found in the [FGCS Bluebook Annex L](#)

NGS DELIVERABLES

NGS PROJECT COORDINATOR = Gary Means, NOAA
N/NGS412, 538 Front St, Norfolk VA 23510
Telephone: 757-441-6264, Fax: 757-441-6735, Email: Gary.Means@noaa.gov

FILE TYPE	SOFTWARE	FILE NAME	DESCRIPTION	STATUS
GPS precise orbit files	IGS website	igsWWWWD.sp3	Precise ephemerides for GPS satellites in SP3 format.	
A-file (adjust configuration)	QQRECORD v.1.4	KY_FBN.af1	Modify A-file by adding QQ records from G-file.	
G-file (computed baselines)	PAGES v.2002.01.28	KY_FBN.gfl	Compute baselines from RINEX2 GPS data and orbit files.	
Free adjustment Constrained adjustment	ADJUST v.4.26	KY_FBN.free.adjust KY_FBN.cors.adjust	Compute ITRF positions from A-file, B-file, & G-file. Constrain ellipsoidal heights and CORS positions. Include UNIX "plotres_prompt.bsh" plots.	
Various DQA program outputs	includes COMPGB , OBSDES, NEWCHKOB, OBSCHK, WCHKDESC , etc. Explain any error messages encountered.			
Final Project Report	miscellaneous	KY_FBN.wpd	See FGCS Bluebook Annex K for details.	