

34° 30'
112 15

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Congress Project Master in ARIZONA 238 - Book: PH 1414
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FILE COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-5223 Rev. 1968

DESCRIPTION
HORIZONTAL CONTROL STATION

34 112 13
DIAGRAM Prescott
USGS QUAD NO. 283

3rd Order

Triangulation

Electronic - Distance Traverse

Intersected Object

Station BM 42 EMH USGS County Yavapai State Arizona
Established by USGS Year 1973 Project PH 1628

Check one:

New Station: Write full description below

Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Azimuth
		Feet	Meters	
MAT USGS				241°59'12.4"

Located about 8.3 mi (airline) ENE. of the Chino Valley Post Office.

To reach from Chino Valley Post Office, drive 1.3 mi N. along U.S. Highway 89, thence 5.7 mi E. along Perkinsville Rd., thence 0.4 mi S. along a dirt rd., thence 2.6 mi E. along a dirt rd. on an old RR. grade; at a cattleguard; 60 ft N. of and about 2 ft lower than the centerline of the rd. at cattleguard, 3 ft E. of a fence.

Station mark: A USGS tablet stamped "42 EMH 1973 5024", set on a copper-coated rod.

USGS Unadjusted 1973 Coordinates

ARIZONA CENTRAL ZONE

X= 385947.7

Y= 1363936.4

MAPPING ANGLE=-0 12 59

ELEV 5024.101 FT

QUAD 34 112 13

BM 42 EMH

LAT 34 44 54.595

LONG 112 17 46.840

MAR 12 1974

FILE COPY
DESCRIPTION
HORIZONTAL CONTROL STATION

34 112 13
DIAGRAM Prescott
USGS QUAD NO 283

2nd Order

Triangulation

Electronic - Distance Traverse

Intersected Object

Station ENTRO ET USGS County Yavapai State Ariz.
Established by USGS Year 1969 Project PH 1413

Check one:

New Station: Write full description below

Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Azimuth
		Feet	Meters	
WHIPPLE ET USGS				37°40'28.8"
RM 1		32.58		350 13 15
Airport Bcn. About 3/4 mi				137 56 14
RM 2		32.92		91 16 01

Located about 6.4 mi (airline) NE. of Prescott; 2.2 mi SSE. of Prescott Airport; 1.1 mi N. of Entro; on the north side of U.S. Highway 89A; on top of a bare ridge.

To reach from the courthouse in Prescott, go N. on U.S. 89 for 6.0 mi to jct. with U.S. 89A; turn right on U.S. 89A for 0.6 mi to wire gate on left (about 100 yds. beyond RR. overpass); pass through wire gate and go right on dim track rd. for 1.1 mi to high point of ridge and station mark.

Station mark: A standard tablet stamped "ENTRO ET 1969" on copperweld rod driven to refusal with conc. collar.

Reference mark No. 1: A standard tablet stamped "NO 1 1969" on copperweld rod driven to refusal with conc. collar 0.4 ft below station mark.

Reference mark No. 2: A standard tablet stamped "NO 2 1969" on copperweld rod driven to refusal with conc. collar 1.2 ft below station mark.

Azimuth Mark is Airport Beacon at the Prescott Airport about 3.75 mi (airline) from station mark.

USGS Tentative Adjusted 1969 Coordinates

ARIZONA CENTRAL ZONE _____ ELEV 5166.7 FT
X= 354343.24
Y= 1319017.86
MAPPING ANGLE=-0 16 30 _____ QUAD 34 112 13

ENTRO ET USGS _____ LAT 34 37 28.9101 _____ LONG 112 24 2.9984

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UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-3223 Rev. 1968

DESCRIPTION HORIZONTAL CONTROL STATION

34 112 13
DIAGRAM Prescott
USGS QUAD NO. 283

2nd Order

Triangulation

Electronic - Distance Traverse

Intersected Object

Station FAIN ET USGS County Yavapai State Arizona
Established by USGS Year 1969 Project PH 1413

Check one:

New Station: Write full description below
 Recovery of Old Station: Recovered by USGS Year 1973 Project PH 1628

Object	Bearing	Distance		Azimuths
		Feet	Meters	
ROUND USGS				309°57'24.8"
RM 2		30.87		254 18 06.6
Humboldt SM. Stack about 4.3 mi				343 53 43.9
RM 1		27.04		351 47 33.6

Located about 13 mi ENE. of Prescott, Arizona; about 8 mi N. of Poland Junction; about 3 mi N. of Dewey; on N. westerly end of a flat top, behind ranch house. A stock tank is also on this top.

To reach from Dewey, Arizona, drive N. along State Highway 69 for 2.8 mi to dirt rd. through ranch; turn right and follow dirt rd. for 0.4 mi; turn right for 0.1 mi; turn left around barn and follow rd. 0.2 mi to top and station mark.

Station mark: A standard USGS brass tablet stamped "FAIN 1969" crimped on a copperweld rod and set in conc. collar.

Reference mark No. 1: A standard USGS reference mark brass tablet stamped "RM 1" crimped on a copperweld rod and set in conc. collar.

Reference mark No. 2: A standard USGS brass reference mark tablet stamped "RM 2" crimped on a copperweld rod and set in conc. collar.

Azimuth mark: Humboldt Smoke Stack about 4.3 mi (airline) from station mark.

USGS Tentative Adjusted 1969 Coordinates

ARIZONA CENTRAL ZONE	ELEV 4784.6 FT
X= 397771.03	
Y= 1298320.79	
MAPPING ANGLE=-0 11 34	QUAD 34 112 13

FAIN ET USGS LAT 34 34 5.9203 LONG 112 15 22.4970

MAR 12 1974

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-3223 Rev. 1968

DESCRIPTION
HORIZONTAL CONTROL STATION

DIAGRAM Prescott
USGS QUAD NO. 283

3rd Order

Triangulation Electronic - Distance Traverse Intersected Object

Station GLASSFORD USGS Country Yavapai State Arizona
Established by USGS Year 1943 Project H 70

Check one:

New Station: Write full description below
 Recovery of Old Station: Recovered by USGS Year 1973 Project PH 1628

Object	Bearing	Distance		Azimuth
		Feet	Meters	
GRANITE				108°53'14.8"
RM 1		50.01		19 44
RM 2		37.25		271 00

Located 3.3 mi N. and 5 mi E. from center of Prescott on top of the northwesterly and highest point of Glassford Hill.

Station and all reference marks found as described. A new To reach description follows:

To reach from the Yavapai County Courthouse in Prescott, go E. on U.S. Highway 89 for 1.8 mi to the jct. with Arizona State Highway 69; bear right (southeasterly) on Highway 69 for 4.8 mi to Ramada Drive at Diamond Valley Homes; turn left on Ramada Drive for 0.6 mi to Thelma Drive; turn right (northerly on Thelma Drive, and continue in this direction for 0.25 mi to a 4-way intersection at a steel tower power transmission line; turn left (NW.) along the power line access rd. for approximately 1 mi to the crest of a flat ridge, and a steel tower at the highest point of the ridge on the power line; turn right (NE.) across country at tower on top and drive up gentle rocky grade for 1.3 mi to a low flat top about 0.8 mi S. of Glassford Hill. Leave truck on low top and pack northeasterly through low saddle, then bear northerly up ridge to highest point and station. About 1 mi from end of truck travel.

Station mark: Cross chiseled in solid rock, 1 ft above general ground surface.

Reference mark No. 1: Standard reference mark tablet stamped "NO 1" cemented in lava outcrop.

Reference mark No. 2: Standard reference mark tablet stamped "NO 2" cemented in lava outcrop.

USGS Adjusted 1944 Coordinates

ARIZONA CENTRAL ZONE
X= 360230.8 ELEV 6178.5 FT
Y= 1306162.6
MAPPING ANGLE=-0 15 49 QUAD 34 112 13

GLASSFORD USGS LAT 34 35 22.016 LONG 112 22 51.839

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UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-3223 Rev. 1968

DESCRIPTION
HORIZONTAL CONTROL STATION

34 112 13
DIAGRAM Prescott
USGS QUAD NO. 283

2nd Order

Triangulation

Electronic - Distance Traverse

Intersected Object

Station LYNX ET USGS County Yavapai State Arizona
Established by USGS Year 1969 Project PH 1413

Check one:

New Station: Write full description below

Recovery of Old Station: Recovered by USGS Year 1973 Project PH 1628

Object	Bearing	Distance		Azimuth
		Feet	Meters	
FAIN ET USGS				285°56'34.9"

Located about 14 mi (airline) NW. of Mayer; about 8 mi NE. of Prescott; about 4 mi SE. of Entro; about 900 ft S. of State Highway 69; at the east side of the Northridge Mobile Home Park; 6.2 ft NNW. of a green Arizona Public Service Utility Box; 3.2 ft E. of a N.-S. fence; 3.4 ft SW. of a witness post.

To reach from the NE. intersection of the Courthouse Square in Prescott, drive E. along Highway 89 for 1.3 mi to jct. of Highways 89 and 69; take right fork along State Highway 69 for 8.85 mi to rd. jct. right into trailer park; take right fork into park for 0.05 mi and rd. intersection; take left fork past right angle turn S. for 0.2 mi to station on left at fence.

Station mark: A USGS tablet stamped "LYNX ET 1969" crimped on copperweld rod encased in soil pipe and projecting 0.1 ft.

Reference marks: None set due to request of land owner.

USGS Tentative Adjusted 1969 Coordinates

ARIZONA CENTRAL ZCNE
X= 378373.93 ELEV 5091.2 FT
Y= 1303946.02
MAPPING ANGLE=-0 13 46 QUAD 34 112 13

LYNX ET USGS LAT 34 35 0.8610 LONG 112 19 14.7203

MAR 12 1974

FILE COPY

34 112 13

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-1223 Rev. 1968

DESCRIPTION
HORIZONTAL CONTROL STATION

DIAGRAM Prescott
USGS QUAD NO. 283

RECOVERY NOTE, HORIZONTAL STATION

34 112 13

2nd Order
Triangulation Electronic - Distance Traverse Intersected Object
Station PRESCOTT ET USGS County Yavapai State Arizona
Established by USGS Year 1969 Project PH 1413

STATION NAME: PRESCOTT ET USGS
RECOVERED BY: USGS, YEAR 1974
CASE, YEAR
OTHER

COUNTY: Yavapai
PM # 1696
QUAD #
YEAR

STATE: ARIZONA 283
STA #

CHECK ITEM REVISER OR APPEND: GEODETIC AND PLANE COORDINATES (), ELEV. (X), AZIMUTH TO INITIAL STATION (), LONG FROM P/M (X)
VALIDATE THE EXISTING DESCRIPTION INCLUDING MARKS FOUND AND STAMPINGS OR INDICATE CHANGES MADE.

Check one
 New Station: Write full description below
 Recovery of Old Station: Recovered by _____ Year _____ Project _____

Recovered as described by USGS in 1969.

Object	Bearing	Distance		Azimuth
		Feet	Meters	
WATSON ET USGS				247°14'02.9"
RM 1		22.36		343 50 29
RM 2		39.05		75 11 49

All marks in good condition.

RM's not measured in 1974.

Located in Prescott on the west side of town; on a hill on north side of the Prescott City Water Tank.

To reach from courthouse at intersection of Highway 89 and W. Gurley Street go W. to Park Street; turn left to Coronado, across from Lincoln School; turn right on Coronado to Country Club Avenue; right on Country Club Avenue to dirt rd. left about 90 ft W. of intersection; passing north side of corner house, follow dirt rd. to top and station mark, on the north side of tank, at north edge of rd.

Station mark: A USGS tablet stamped "PRESCOTT ET 1969" crimped onto copper rod encased in 18-inch of soil pipe.

Reference mark No. 1: A USGS tablet stamped "1 1969" crimped onto copper rod and encased in 18-inch of soil pipe, 0.6 ft above station.

Reference mark No. 2: A USGS tablet stamped "2 1969" crimped onto copper rod and encased in 18-inch of soil pipe, 0.7 ft below station mark.

USGS Tentative Adjusted 1969 Coordinates
ARIZONA CENTRAL ZONE
X= 327714.25
Y= 1286885.23
MAPPING ANGLE=-0 1° 28' ELEV 5710.5 FT
QUAD 34 112 13

PRESCOTT ET USGS LAT 24 32 9.6681 LONG 112 29 19.4617

7/10/74 jk

AUG 14 1974

FILE COPY

34 112 13

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-3223 Rev. 1968
1st Order

DESCRIPTION
HORIZONTAL CONTROL STATION

DIAGRAM Prescott
USGS QUAD NO. 283

Triangulation Electronic - Distance Traverse Intersected Object

Station PRESCOTT SOUTH BASE County Yavapai State Arizona
Established by C&GS Year 1919 Project _____

Check one:
 New Station: Write full description below
 Recovery of Old Station: Recovered by _____ Year 1969 Project PH 1413
USGS Year 1973 Project PH 1628

Object	Bearing	Distance		Azimuth
		Feet	Meters	
ENTRO ET USGS				349°22'13.9"
RM 1		58.65		14 30 41
RM 2		132.13		232 34 10

Described in U.S. Coast and Geodetic Survey Description list 34 112 1, station 1003.

New Located and To reach as follows:

Located about 11 mi N. of Prescott; about 2.5 mi NE. of Prescott Airport; about 1.5 mi E. of Highway 89; about 1.0 mi N. of wooden pole power line on highest point of N.-S. mesa.

To reach from Highway 89 at Airport Rd. go N. on Highway 89 about 2.5 mi to wire gate 0.2 mi N. of power line T; pass through gate and follow power line rd. E. 1.2 mi to irrigation ditch; cross ditch to rd. fk. about 100 ft, turn left and go 0.3 mi to top on rd.; turn right cross-country toward mesa, go 0.2 mi to saddle on mesa ridge; turn left in saddle and follow top of mesa NE. 0.4 mi to top and station.

Station mark: Standard tablet stamped "SOUTH BASE 1919" set in conc. post flush with ground.

Reference mark No. 1: Standard tablet stamped "SOUTH BASE NO 1 1919" set in conc. post.

Reference mark No. 2: Standard tablet stamped "SOUTH BASE NO 2 1944" set in conc. post. (Destroyed, 1958) Found in good condition. Tablet was buried.

C&GS Adjusted Coordinates

ARIZONA CENTRAL ZONE ELEV 5015.50 FT
X= 349367.44
Y= 1346277.77
MAPPING ANGLE=-0 17 7 QUAD 34 112 13

PRESCOTT SC BASE LAT 34 41 58.3290 LONG 112 25 4.1620

MAR 12 1974

FILE COPY

34 112 13

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-3223 Rev. 1968
3rd Order

DESCRIPTION
HORIZONTAL CONTROL STATION

DIAGRAM Prescott
USGS QUAD NO. 283

Triangulation

Electronic - Distance Traverse

Intersected Object

Station PRESCOTT VOR USGS County Yavapai State Arizona
Established by USGS Year 1973 Project PH 1628

Check one:

New Station: Write full description below

Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance	
		Feet	Meters

Located about 11.2 mi (airline) N. of Prescott, about 6.3 mi NE. of Granite Mountain, about 3.0 mi SSW. of Chino Valley on low rolling terrain that is covered by grass and small bushes.

To reach from the post office in Chino Valley go S. on U.S. Highway 89 for 0.5 mi to X-rds. and school on left, turn right for 0.5 mi to another X-rd., turn left and continue straight for 2.0 mi to cattleguard and point where rd. makes right angle turn, turn right and follow main-traveled rd. for 1.6 mi to T-rd. left leading to VOR station, turn left for 0.2 mi to station.

Station is a FAA omni radio facility in a white building with an inverted cone type antenna on the roof. The centerline of the antenna was intersected as the station mark.

No reference marks.

Station shows well on the photos, may be used as natural panel.

USGS Unadjusted 1973 Coordinates

ARIZONA CENTRAL ZONE

X= 330800.5

Y= 1347465.2

MAPPING ANGLE=-0 19 14

ELEV 4963.40 FT

QUAD 34 112 13

PRESCOTT VCR USGS

LAT 34 42 9.104

LONG 112 28 46.613

MAR 12 1974

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-3223 Rev. 1968
2nd Order

FILE COPY
DESCRIPTION
HORIZONTAL CONTROL STATION

34 112 13

DIAGRAM Prescott
USGS QUAD NO. 283

Triangulation Electronic - Distance Traverse Intersected Object

Station RUNWAY ET USGS County Yavapai State Arizona
Established by USGS Year 1969 Project PH 1413

Check one:

New Station: Write full description below

Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Azimuth
		Feet	Meters	
ENTRO ET USGS				322°46'00.5"
RM 1		82.46		59 02 17
RM 2		51.48		248 05 43

Located approximately 6 mi N. of Prescott on Highway 89 at Ernest A. Love field (Prescott Airport).

To reach from F.A.A. Building at airport, go left and follow rd. N. and E. about 0.3 mi to north end of N.-S. runway. Station mark is about 150 ft W. of windsock and 15 ft S. of rd.

Station mark: Standard tablet stamped "RUNWAY ET 1969" crimped to 10 ft of copperweld rod in 8 inch conc. post.

Reference mark No. 1: Standard tablet stamped "1 1969" crimped to 5 ft of copperweld rod in 8 inch conc. post.

Reference mark No. 2: Standard tablet stamped "2 1969" crimped to 5 ft of copperweld rod in 8 inch conc. post.

USGS Tentative Adjusted 1969 Coordinates

ARIZONA CENTRAL ZONE _____ ELEV 5014.1 FT
X= 346481.67
Y= 1329472.24
MAPPING ANGLE=-0 17 25 _____ QUAD 34 112 13

RUNWAY ET USGS _____ LAT 34 39 11.9432 _____ LONG 112 25 37.7040

MAR 12 1974

FILE COPY

34 112 13

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-3223 Rev. 1968

DESCRIPTION
HORIZONTAL CONTROL STATION

DIAGRAM Prescott
USGS QUAD NO. 283

3rd Order

Triangulation

Electronic - Distance Traverse

Intersected Object

Station SC 19-1/4E/14N/1W County Yavapai State Arizona
Established by USGS Year 1973 Project PH 1628

Check one:

New Station: Write full description below

Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Azimuth
		Feet	Meters	
WATSON ET USGS				3°31'17.7"

Located 5 mi (airline) NE. of Prescott, 5.5 mi SE. of the Prescott Municipal Airport on a N.-S. fence line about 2 mi E. of Granite Creek.

Station mark: A standard USGLO brass cap stamped "1/4 S19 S20 1926" which projects 0.8 ft.

USGS Unadjusted 1973 Coordinates

ARIZONA CENTRAL ZONE

X= 356184.6

Y= 1302332.5

MAPPING ANGLE=-0 16 16

ELEV 5613.7 FT

QUAD 34 112 13

SC 19-1/4E/14N/1W

LAT 34 34 43.940

LONG 112 23 40.020

MAR 12 1974

FILE COPY

34 112 13

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-3223 Rev. 1968

DESCRIPTION HORIZONTAL CONTROL STATION

DIAGRAM Prescott
USGS QUAD NO 283

3rd Order
Triangulation

Electronic - Distance Traverse

Intersected Object

Station TOP AHD County Yavapai State ARIZONA
Established by USGS Year 1969 Project PH 1414

Check one:

New Station: Write full description below

Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Azimuth
		Feet	Meters	
Union				328°00'35.1"

Located on top of a flat-topped butte at the south edge of the city of Prescott, Arizona in SE. 1/4 sec. 9, T13N, R2W.

To reach from Prescott City Center, go S. on the White Spar Highway 89; 2.4 mi to the north edge of the Prescott Pines Mobile House Resort; turn right and take rd. 0.4 mi to top of butte. Station is located about the center of the flat area on the north edge.

Station mark: A standard Arizona Highway Department disk stamped "STA TOP P&M 1965" set in a concrete post projecting 0.3 ft out of the ground.

USGS Unadjusted 1974 Coordinates

ARIZONA CENTRAL ZONE ELEV 5934.6 FT
 X= 330181.4
 Y= 1279867.8
 MAPPING ANGLE=-J 19 13 QUAD 34 112 13

TOP AHD LAT 34 31 0.387 LONG 112 28 49.504

RECOVERY NOTE, HORIZONTAL STATION

STATION NAME: TOP AHD	COUNTY: Yavapai	STATE: ARIZONA 283
RECOVERED BY: USGS, YEAR 1974	PH # 1696	
CAGS, YEAR	QUAD #	STA #
OTHER	YEAR	

CHECK ITEM REVISED OR ADDED: GEODETIC AND PLANE COORDINATES (X), ELEV. (), AZIMUTH TO INITIAL STATION (X), LONG FORM P/O (X)
 VALIDATE THE EXISTING DESCRIPTION INCLUDING MARKS FOUND AND STAMPINGS OR INDICATE CHANGES MADE.

Recovered as described by USGS in 1969.

AUG 14 1974

7/10/74 ik

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-322.3 Rev. 1968
2nd Order

FILE COPY
DESCRIPTION
HORIZONTAL CONTROL STATION

34 112 13
DIAGRAM Prescott
USGS QUAD NO. 283

Triangulation Electronic - Distance Traverse Intersected Object
Station WATSON ET USGS County Yavapai State Arizona
Established by USGS Year 1969 Project PH 1413

Check one:
 New Station: Write full description below
 Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Azimuth
		Feet	Meters	
LYNX ET USGS				255°09'16.6"
RM 1		20.08		356 14 51
RM 2		31.08		251 48 19

Located about 9.0 mi NW. of Dewey; about 4.5 mi NE. of Prescott on a low rocky top.

To reach from the courthouse in Prescott, go E. and NE. on Highway 89 for 1.8 mi to jct. with Highway 69; turn right on Highway 69 for 4.8 mi to Ramada Drive, turn left on Ramada Drive at Diamond Valley Homes and go 0.6 mi to Thelma Drive; turn right on Thelma Drive for 0.1 mi to Topaz and Thelma Drive; turn right on Topaz Drive for 0.1 mi to a four-way rd. intersection at a steel tower power line; turn left on rd. that goes up power line for 0.5 mi to wash at trail fork; go left for 0.1 mi to wire gate; pass through gate and continue 0.3 mi to a earth dam at a stock tank; cross earth dam and go 0.1 mi uphill to a saddle; go left along ridge for 0.1 mi cross-country to a fence and end of truck travel. Pack uphill to the top and station mark. About a 5 minute pack.

Station mark: A standard USGS tablet stamped "WATSON ET 1969" cemented in a drill hole in solid bedrock.

Reference mark No. 1: A standard USGS tablet stamped "NO 1 1969" cemented in a drill hole in solid bedrock, 1.0 ft below the station mark.

Reference mark No. 2: A standard USGS tablet stamped "NO 2 1969" cemented in a drill hole in solid bedrock, 1.1 ft below the station mark.

USGS Tentative Adjusted 1969 Coordinates

ARIZONA CENTRAL ZONE ELEV 5669.3 FT
X= 353152.46
Y= 1297391.09
MAPPING ANGLE=-0 16 36 QUAD 34 112 13

WATSON ET USGS LAT 34 33 54.9151 LONG 112 24 15.9965

MAR 12 1974

FILE COPY

34 112 13

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Form No. 9-5223 Rev. 1968

DESCRIPTION
HORIZONTAL CONTROL STATION

DIAGRAM Prescott
USGS QUAD NO. 283

2nd Order

Triangulation

Electronic - Distance Traverse

Intersected Object

Station WHIPPLE ET USGS County Yavapai State Arizona
Established by USGS Year 1969 Project PH 1413

Check one:

New Station: Write full description below USGS Year 1973 Project PH 1628
 Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Azimuth
		Feet	Meters	
ENTRO ET USGS				217°38'34.1"
RM 1		33.89		239 34 46
RM 2		30.90		148 06 46

Located about 1.0 mi NE. of the center of Prescott; and about 0.5 mi N. of the Fort Whipple Veterans Hospital; on a low top.

To reach from the intersection of S. Montezuma and W. Gurley in Prescott (City Center), go W. on W. Gurley 0.4 mi to Miller Valley Rd.; turn N. 1.9 mi to intersection of Willow Creek Rd. and Rosser Street; E. on Rosser Street 0.5 mi to Campbell Avenue; N. 0.05 mi to Delano Avenue and the Taylor Hicks Elementary School; E. on Delano Avenue (dirt rd.) 1.0 mi to N.-S. fence; turn S. on track rd. following S. and W. 0.4 mi to T-rd.; turn E. on track rd. 0.3 mi to and through gate in E.-W. fence; continue 0.1 mi to ridge top; thence E. on ridge 0.4 mi to high point and station (about 0.5 mi N. of Fort Whipple).

Station mark: Standard USGS tablet stamped "WHIPPLE ET 1969" crimped to a copperweld rod driven to refusal with a 4-inch diameter conc. collar 18 inches deep.

Reference mark No. 1: Standard reference mark tablet stamped "NO 1 1969" crimped to a copperweld rod with a 4-inch conc. collar 18 inches deep and 2.5 ft below station mark.

Reference mark No. 2: Standard reference mark tablet stamped "NO 2 1969" crimped to a copperweld rod with a 4-inch conc. collar 18 inches deep and 2.0 ft below station mark.

USGS Tentative Adjusted 1969 Coordinates

ARIZONA CENTRAL ZONE ELEV 5635.1 FT
X= 337304.04
Y= 1297169.05
MAPPING ANGLE=-0 18 24 QUAD 34 112 13

WHIPPLE ET USGS LAT 34 33 51.9205 LONG 112 27 25.4899

MAR 12 1974

DESCRIPTION

Supplementary Horizontal Control Station

Station SC 16/14N/1E County Yavapai State AZ Quad No. 283
 Project PH 1628 Year 1973
Surveyed by checked (X) or unchecked () methods

Description:

Section corner is located about 12 mi (airline) E. of Prescott, about 6.0 mi N. of the town of Humboldt and about 2 mi N. of the Fain Ranch Headquarters in some rolling grassy hills about 0.5 mi E. of old Jerome Dewey Rd.

Station mark: A brass disk stamped "P.E. #2398 W.J. CREEK" cemented into a conc. post marked as a section corner.

ARIZONA CENTRAL ZONE ELEV 4775.7 FT
 X= 398248.9
 Y= 1304845.8
 MAPPING ANGLE=-0 11 31 QUAD 34 112 13

SEC COR 16/14N/1E LAT 34 35 10.485 LONG 112 15 17.044

STATION	OBSERVED DIRECTION	DISTANCE	A-O	A-O FT
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STATICS OBSERVED BY THIRD ORDER METHODS

ROUND USGS	319 39 33.7	31426.9	0.8
TALLEST STACK USGS	347 48 22.5	32932.2	-0.4
FAIN ET USGS	3 59 48.7	6543.1	0.1
2-146 A	35 36 23.7	35441.6	-0.2

34 112 1

34°30'
112°15'

ARIZONA 283

<u>NAME</u>	<u>STATION</u>
Prescott South Base	1003
Prescott Airport Airway BCN	1007
Prescott Radio Direction Finder Center Tower Destroyed	1008
Entro USGS	1009
Runway USGS	1010
Whipple USGS	1011
Prescott USGS	1012
Watson USGS	1013
Lynx USGS	1014
Fain USGS	1015

VOR - PRESCOTT RADIO PRC - 1955 - all inactive file

FILE COPY

ARIZONA 285

JULY 1966
PUBLISHED AND PRINTED BY:
U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
WASHINGTON D.C.
Revised JAN 1977

HORIZONTAL CONTROL DATA

by the
Coast and Geodetic Survey
NORTH AMERICAN 1927 DATUM

QUAD 341121 STATION 1003
ARIZ
LATITUDE 34°30' TO 35°00'
LONGITUDE 112°00' TO 112°30'
DIAGRAM NI 12-4 PRESCOTT

PRESCOTT SOUTH BASE (Yavapai County, Ariz., C.V.H., 1919)—Station PRESCOTT SOUTH BASE is located 13.6 miles by automobile road E of N from Prescott, 700 paces W of Prescott-Ashfork automobile road, 850 paces W. 12° S. of wagon-road crossing over S.F.F. & P.Ry., the only crossing in this vicinity, and on the highest part of a low ridge. Circular mounds of concrete were built around station mark and reference mark.

Surface, underground, and reference marks are bronze disks set in concrete. The reference mark is at about the same elevation as station mark.

OBJECT	DISTANCE	DIRECTION
GRANITE	meters	0°00'00"0
Reference mark	40.27	171 28 42
Height of signal above station mark	- 1.20 meters.	
Height of instrument above station mark	- 1.52 meters.	

(E.H.B., 1944)—All marks recovered and found in good condition.

Station is located on the highest part of a low ridge about 1-1/2 miles E of U.S. Highway 89, about 5 miles N of a small airport, and 3/4 mile W of railroad tracks.

Station mark is a bronze station disk set in a concrete post projecting 2 inches. It is stamped "SOUTH BASE 1919."

Reference mark 1 is a bronze reference disk set in a round concrete post projecting 6 inches. It is stamped "SOUTH BASE NO 1 1919."

Reference mark 2 is a bronze reference disk set in a concrete post 2 inches below ground. It is stamped "SOUTH BASE NO 2 1944."

Azimuth mark is a bronze azimuth disk set in the E end of the S abutment of cattle guard mentioned below, 50 feet E of the center line of U.S. Highway 89, and projects 8 inches. It is stamped "SOUTH BASE 1944."

To reach station from Prescott, go N on U.S. Highway 89 for 6.7 miles from the courthouse to Alternate U.S. Highway 89. Turn left and continue on main route for 7.5 miles to dirt road on right about 200 feet S of a windmill and small buildings. Turn right onto dirt road, cross cattle guard (azimuth mark is in cattle-guard support) and go 0.4 mile to dirt tracks on right. Take dirt track road and follow main-traveled road 2.0 miles to ridge saddle and bushes on right. Turn right, off road, and go along top of ridge 0.6 mile to highest point and station.

OBJECT	DISTANCE	DIRECTION
PRESCOTT NORTH BASE	meters	0°00'00"0
R.M. 1	ENE 40.280	132.159
Prescott, airport beacon	SSW 5	206 21 22.2
R.M. 2	SSW 17.882	58.671
Azimuth Mark	NW 2	316 38 48.1

PRESCOTT SOUTH BASE (Yavapai County, Ariz., C.V.H., 1918; O.B.G., 1950) The station was recovered in good condition as described by E.H.B. in 1944. No witness post is required.

PRESCOTT SOUTH BASE (Yavapai County, Ariz., C.V.H., 1919; L.F.W., 1955) All marks were recovered in good condition. The recovery note by E.H.B. in 1944 is adequate.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 502
(Rev. Feb. 1959)

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: PRESCOTT SOUTH BASE
ESTABLISHED BY: C. V. H. Year: 1919 State: Arizona
RECOVERED BY: W. T. J. Year: 1958 County: Yavapai

Detailed statement as to the fitness of the original description, including marks found, stampings, changes made, and other pertinent facts: The description by E. H. B. in 1944 is adequate. Station Mark, Reference Mark No. 1 and the azimuth mark were recovered as described in good condition.

Reference Mark No. 2 was not recovered and is presumed to be destroyed.

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: PRESCOTT SOUTH BASE YEAR: 1919
STATE: ARIZ LOCALITY: 35th Parallel
First-ORDER Triangulation SOURCE: G-183 FIELD SKETCH: ARIZ 3-C
4-I, II

GRID DATA	COORDINATES (Feet)	PLANE AZIMUTH & HOR. ANG. ANGLE	MARK
STATE: Ariz ZONE: C CODE: 0202	x 349,367.44 y 1,346,277.76	120°52'52" - 0 17 07 50 44 52	AZIMUTH MARK P&M 1345 MP 322.80 AZHD
STATE: ZONE: CODE:	x y		

GEODETIC DATA	POSITION		SECONDS IN METERS	ELEVATION
	LATITUDE:	LONGITUDE:		
	34°41'58"329 NORTH	112 25 04.162 WEST		1,526.8 METERS 5,009 FEET

TO STATION	GEODETIC AZIMUTH (From 0000)	DISTANCE	
		LOGARITHM (Meters)	METERS
AZIMUTH MARK P&M 1345 MP 322.80 AZHD	THIRD-ORDER 120°35'44"7 50 27 45.4		

R

4 284 (10-31-54)

USCOMM-DC 9281

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USCOMM-ESSA-ASHEVILLE

APR 14 1977

ARIZONA

283

JAN 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

HORIZONTAL CONTROL DATA

by the
NATIONAL GEODETIC SURVEY
NORTH AMERICAN 1927 DATUM

QUAD 341121 STATION 1003
ARIZ
LATITUDE 34°30' TO 35°00'
LONGITUDE 112°00' TO 112°30'
DIAGRAM HI 12-4 PRESCOTT

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: Prescott South Base
ESTABLISHED BY: YEAR: 1919 STATE: Arizona BENCH MARK(S) ALSO
RECOVERED BY: Army Map Service YEAR: 1968 COUNTY: Yavapai
AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN:

R

Detailed statement as to the fitness of the original description, including marks found, stampings, changes made, and other pertinent facts:

Station, RM 1 and RM 2 were recovered in good condition. The azimuth mark was not found, presumed lost due to construction of a new cattle guard.

A change in description: from cattle guard go 0.7 mile to dim track road on right, take road and follow main traveled road for 1.7 miles to ridge saddle and bushes on right.

HORIZONTAL CONTROL STATION

Triangulation Electronic Distance Traverse Intersected Object
Station: PRESCOTT SOUTH BASE County: State: ARIZ (283)
Established by: C&GS Year: Project:

Check one
 New Station: With full description below
 Recovery of Old Station: Recovered by G.G. (USGS) Year: 1969 Project: PH 1413 Congress

Object	Bearing	Distance		Directions
		Feet	Meters	
Entro ET (USGS)				0 00 00.00
RH NO. 2	S	58.65	17.877	25 08 27
RH NO. 1	NE	132.13	40.277	243 11 56

New located and to reach as follows:

Located about 11 mi. N. of Prescott; about 2.5 mi. NE. of Prescott Airport; about 1.5 mi. E. of Highway 89; about 1.0 mi. N. of wooden pole power line on highest point of N.-S. mesa.

To reach from Highway 89 at Airport Rd. go N. on Highway 89 about 2.5 mi. to wire gate 0.2 mi. N. of powerline T; pass through gate and follow powerline rd. E. 1.2 mi. to irrigation ditch. Cross ditch to rd. fork about 100 ft., turn left and go 0.3 mi. to top on rd. Turn right cross-country toward mesa. Go 0.2 mi. to saddle on mesa ridge. Turn left in saddle and follow top of mesa NE. 0.4 mi. to top and station.

Station mark: Standard tablet stamped "SOUTH BASE 1919", set in concrete post flush with ground.

Reference mark No. 1: Standard tablet stamped "SOUTH BASE NO 1 1919" set in concrete post.

Reference mark No. 2: Standard tablet stamped "SOUTH BASE NO 2 1944" set in concrete post. (Destroyed, 1958) Found in good condition. Tablet was buried.

RECOVERY NOTE, TRIANGULATION STATION

R

NAME OF STATION: PRESCOTT SOUTH BASE
ESTABLISHED BY: E.H.B. YEAR: 1919 STATE: Arizona BENCH MARK ALSO
RECOVERED BY: Charles Novak YEAR: 1974 COUNTY: Yavapai
AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: about 4 miles south of Chino Valley
HEIGHT OF TELESCOPE ABOVE STATION MARK 5 FEET. HEIGHT OF LIGHT ABOVE STATION MARK 5 FEET.

341121 - 1003

OBJECT	BEARING	DISTANCE		DIRECTION
		FEET	METERS	
Prescott Airport Beacon 1944				0 00 00.0
RM 2	SSW	58.67	17.882	4 13 00
Azimuth mark (P&M 1345 MP 322.80)	W	2 miles		40 09 27.6
Beacon near station MINT				89 15 35.0
RM 1	ENE	132.13	40.273	222 15 47

The station mark, reference mark 1 and reference mark 2 were recovered and found in good condition as described. The azimuth mark was destroyed when an old cattle guard was replaced and a new azimuth mark was established at this time.

The new azimuth mark is an Arizona Department of Highways disk stamped P&M 1345 MP 322.80 1973. It is set in a drill hole in a buried boulder which projects about 1 inch. It is 0.15 mile north of a double power line crossing at the top of a hill along the west right of way fence line and 3 feet east of a witness post and sign in the fence line.

To reach the station from the Chino Valley School in Chino Valley go south along U.S. Highway 89 for 3.5 miles to the azimuth mark on the right, continue south for 0.1 mile to a gate on the left. Turn left and go southeast along a good dirt road for 1.3 miles to a ford across an irrigation ditch. Cross the ditch and turn left along a track road which leads north for 0.3 mile to a dim track road on the right. Turn right and follow the dim road up hill and along the east ridge for 0.6 mile to the station at the end of the road.

Long W. Washfield

* Name of chief of party should be inserted here. The person who actually visited the station should sign his name at the end of the recovery note.

FORM C&GS-226 (12-65)
USCGM-DC 1031-745

U.S. DEPARTMENT OF COMMERCE
NSA
COAST AND GEODETIC SURVEY

FILE COPY

APR 14 1977

JULY 1966
 PUBLISHED AND PRINTED BY:
 U.S. DEPARTMENT OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON D.C.

HORIZONTAL CONTROL DATA

by the
 Coast and Geodetic Survey
 NORTH AMERICAN 1927 DATUM

ARIZONA 280

QUAD 341121 STATION 1007
 ARIZ
 LATITUDE 34°30' TO 35°00'
 LONGITUDE 112°00' TO 112°30'
 DIAGRAM NI 12-4 PRESCOTT

PRESCOTT, AIRPORT BEACON (Yavapai County, Ariz., E.H.B., 1944)
 --Beacon is 7-1/2 miles NNE of Prescott, at the WRW corner of the Ernest A. Love airport on the E side of U.S. Highway 89. It is about 80 feet high and painted red and white.

PRESCOTT AIRPORT, AIRWAY BEACON (Yavapai County, Ariz., E.H.B., 1944; G.B.G., 1950)
 The station was recovered in good condition as described by E.H.B., in 1944. No witness post is required.

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: PRESCOTT AIRPORT AIRWAY BCN YEAR: 1944
 STATE: Ariz LOCALITY: Prescott, Ariz. to Needles, Calif.
 Third-ORDER Triangulation SOURCE: G-6408 FIELD SKETCH: ARIZ 19

GRID DATA	COORDINATES (Feet)	PLANE AZIMUTH & TORSON ANGLE	MARK
STATE: Ariz ZONE: C CODE: 0202	x 346,013.24 y 1,328,337.64	- 0 17 28	
STATE: ZONE: CODE:	x y		

RECOVERY NOTE, TRIANGULATION STATION

DEPARTMENT OF COMMERCE
 U. S. COAST AND GEODETIC SURVEY
 FORM 536
 (REV. FEB. 1948)

NAME OF STATION: PRESCOTT, AIRPORT BEACON
 ESTABLISHED BY: E. H. B. YEAR: 1944 STATE: Arizona
 RECOVERED BY: W. T. J. YEAR: 1958 COUNTY: Yavapai

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:
 The station was recovered as described in good condition. The original description is adequate.

Form 536
 (11-8-55)

RECOVERY NOTE, TRIANGULATION/STATION INTERSECTION

U.S. DEPARTMENT OF COMMERCE - COAST AND GEODETIC SURVEY
 FORM 536
 (11-8-55)

NAME OF STATION: PRESCOTT AIRPORT, AIRWAY BEACON
 ESTABLISHED BY: E. H. B. YEAR: 1944 STATE: Arizona
 RECOVERED BY: W. T. J. YEAR: 1960 COUNTY: Yavapai

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:
 Recovered as described in good condition.

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: Prescott Airport-Airway Beacon
 ESTABLISHED BY: E.H.B. YEAR: 1944 STATE: Ariz. BENCH MARK(S) ALSO
 RECOVERED BY: J.J.Cain YEAR: 1967 COUNTY: Yavapai
 AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 7 miles north of Prescott

Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:

Recovered as originally described and found to be in good condition.

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: PRESCOTT AIRPORT, AIRWAY BEACON
 ESTABLISHED BY: E.H.B. YEAR: 1944 STATE: Arizona BENCH MARK(S) ALSO
 RECOVERED BY: D.L.H. YEAR: 1976 COUNTY: Yavapai
 AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN:

At Prescott Municipal Airdort
 Detailed statement as to the fitness of the original description; including marks found, stampings, changes made, and other pertinent facts:
 The station has been torn down.

GEODETIC DATA	POSITION		SECONDS IN METERS	ELEVATION	
	LATITUDE:	LONGITUDE:		NORTH WEST	METERS FEET
	34°39'00"696	112 25 43.242		1,559 5,115	
		TO STATION		DISTANCE	
		GEODETIC AZIMUTH (From south)		LOGARITHM (Meters)	
		Computed from stations MINT, SIMMONS USGS, PRESCOTT SOUTH BASE			

FORM 284 (10-21-54)

USCGO-DC 8287

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APR 14 1977

JULY 1966
 U.S. DEPARTMENT OF COMMERCE
 ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
 COAST AND GEODETIC SURVEY
 REVISED MARCH 1967, APR. 1970

HORIZONTAL CONTROL DATA

by the
 Coast and Geodetic Survey
 NORTH AMERICAN 1927 DATUM

ARIZONA 283

QUAD 341121 STATION 1008
 ARIZ
 LATITUDE 34°30' TO 35°00'
 LONGITUDE 112°00' TO 112°30'
 DIAGRAM NI 12-4 PRESCOTT

RADIO DIRECTION FINDER, CENTER TOWER (Yavapai County, Ariz., E.H.B., 1944)—Tower is about 13 miles N of Prescott, about 1 mile W of U.S. Highway 89, 5-1/2 miles (air line) from the Ernest A. Love airport which is about 7-1/2 miles (air line) NNE of Prescott. It is the center one of five towers, the other four forming a square. The tower is about 125 feet high and is the tower from which direction signals are sent to passing airplanes.

PRESCOTT RADIO DIRECTION FINDER, CENTER TOWER (Yavapai County, Ariz., E.H.B., 1944; L.F.W., 1955)
 --The station was recovered in good condition. The original description is adequate.

DEPARTMENT OF COMMERCE
 U.S. COAST AND GEODETIC SURVEY
 FORM 520
 (REV. 7-75, 1966)

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: PRESCOTT RADIO DIRECTION FINDER, CENTER TOWER
 ESTABLISHED BY: E. H. B. YEAR: 1944 STATE: Arizona
 RECOVERED BY: W. T. J. YEAR: 1958 COUNTY: Yavapai

Detailed statement as to the fitness of the original description, including marks found, stampings, changes made, and other pertinent facts:
 The station was recovered as described in good condition.
 The original description is adequate.

U.S. COAST AND GEODETIC SURVEY
 (11-5-55)

RECOVERY NOTE, TRIANGULATION/STATION INTERSECTION

NAME OF STATION: PRESCOTT RADIO DIRECTION FINDER, CENTER TOWER
 ESTABLISHED BY: E. H. B. YEAR: 1944 STATE: Arizona
 RECOVERED BY: W. T. J. YEAR: 1960 COUNTY: Yavapai

Detailed statement as to the fitness of the original description, including marks found, stampings, changes made, and other pertinent facts:
 Recovered as described in good condition.

Wm. J. Johnson

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: RADIO DIRECTION FINDER, CENTER TOWER
 ESTABLISHED BY: E.H.B. YEAR: 1944 STATE: Ariz. BENCH MARK(S) ALSO
 RECOVERED BY: ISC*GS YEAR: 1968 COUNTY: Yavapai
 AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN:

Detailed statement as to the fitness of the original description, including marks found, stampings, changes made, and other pertinent facts:
 Station destroyed.
 Towers have been dismantled.

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: PRESCOTT RADIO DIRECTION FINDER CENTER TOWER YEAR: 1944
 STATE: Ariz LOCALITY: Prescott, Ariz. to Needles, Calif.
 Third -order Triangulation SOURCE: G-6408 FIELD SKETCH: ARIZ 19

GRID DATA	COORDINATES (Feet)	PLANE AZIMUTH θ FOR ΔCD ANGLE	MARK
STATE: Ariz ZONE: C CODE: 0202	x 334,565.56 y 1,354,722.47	- 0 18 49	
STATE: ZONE: CODE:	x y		

GEODETTIC DATA	POSITION		SECONDS IN METERS	ELEVATION
	LATITUDE:	LONGITUDE:		METERS FEET
	34°43'21".099	112 28 01.994		1,525 5,003

TO STATION	GEODETTIC AZIMUTH (From south)	DISTANCE	
		LOGARITHM (Meters)	METERS
Computed from stations GRANITE, MINT,	PRESCOTT SOUTH	BASE	

FORM 284 (3-5-66)

USCOMM-DC 6267

FILE COPY

APR 14 1977

USCOMM-ESSA-ASHEVILLE

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

ARIZONA 283

QUAD 341121 STATION 1009
 ARIZ
 LATITUDE 34° 30' TO 35° 00'
 LONGITUDE 112° 00' TO 112° 30'
 DIAGRAM NI 12-4 PRESCOTT

ADJUSTED HORIZONTAL CONTROL DATA

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 Geological Survey
 Form No. 9-1224 Rev. 1966

DESCRIPTION HORIZONTAL CONTROL STATION

Triangulation Electronic - Distance Traverse Intersected Object
 Station ENTRO ET (USGS) County Yavapai State Arizona (283)
 Established by W.A.O. (USGS) Year 1969 Project Congress PH 1413

Check one:

- New Station: Write full description below
 Recovery of Old Station: Restored by _____ Year _____ Project _____

Object	Bearing	Distance		Directions
		Feet	Meters	
Whipple ET (USGS)				0 00 00.00
RM NO. 2	W	32.58	9.930	53 35 32
Airport Beacon about 3/4 mi.	WNW			100 15 44.7
RM NO. 1	S	32.92	10.032	312 32 46

Located about 6.4 mi. (airline) NE. of Prescott; 2.2 mi. SSE. of Prescott Airport; 1.1 mi. N. of Entro; on the N. side of U.S. Highway 89 A; on top of a bare ridge.

To reach from the courthouse in Prescott, go N. on U.S. 89 for 6.0 mi. to junction with U.S. 89 A; turn right on U.S. 89 A for 0.6 mi. to wire gate on left (about 100 yds. beyond RR. overpass); pass through wire gate and go right on dirt track rd. for 1.1 mi. to high point of ridge and station mark.

Station mark: A standard tablet stamped "ENTRO ET 1969" on copperweld rod driven to refusal with concrete collar.

Reference mark No. 1: A standard tablet stamped "NO 1 1969" on copperweld rod driven to refusal with concrete collar 0.4 ft. below station mark.

Reference mark No. 2: A standard tablet stamped "NO 2 1969" on copperweld rod driven to refusal with concrete collar 1.2 ft. below station mark.

Azimuth Mark is Airport Beacon at the Prescott Airport about 3.75 mi. (airline) from station mark.

NAME OF STATION: ENTRO USGS OBS BY USGS
 STATE: ARIZONA YEAR: 1969 SECOND -ORDER
 LOCALITY:
 SOURCE: G-14853 FIELD SKETCH:

GEODETIC LATITUDE:	34 37 28.90533	ELEVATION:	1574.8 METERS
GEODETIC LONGITUDE:	112 24 02.99866		5167 FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	φ OR Δ = ANGLE
AZ C	0202	354,343.22	1,319,017.38	- 0 16 30

* PLANS AZIMUTH HAS BEEN COMPUTED BY THE φ OR Δ φ1 FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From north)	PLANE AZIMUTH* (From north)	CODE
WHIPPLE USGS	037 40 29.3	37 56 00	0202

SE 032

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APR 14 1977

DEC 1976
 U. S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

ARIZONA 283

QUAD 341121 STATION 1010
 ARIZ
 LATITUDE 34° 30' TO 35° 00'
 LONGITUDE 112° 00' TO 112° 30'
 DIAGRAM N1 12-4 PRESCOTT

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 Geological Survey
 Form No. 5-3224 Rev. 1966

DESCRIPTION HORIZONTAL CONTROL STATION

Trangulation Electronic Distance Traverse Intersected Object
 Station RUNWAY ET (USGS) County YAVAPAI State ARIZ. (283)
 Established by W.A.O. (USGS) Year 1969 Project PH 1413 Congress

Check one:
 New Station: Write full description below
 Recovery of Old Station: Recovered by Year Project

Object	Bearing	Distance		Directions
		feet	Meters	
Entro ET (USGS)				0 00 00.00
RM NO. 2		82.46	25.133	96 16 16
RM NO. 1		51.48	15.693	285 19 42

Located approximately 6 mi. N. of Prescott on Highway 89 at Ernest A. Love field (Prescott Airport).

To reach from F.A.A. Building at airport, go left and follow rd. N. and E. about 0.3 mi. to N. end of N.-S. runway. Station mark is about 150 ft. W. of windsock and 15 ft. S. of rd.

Station mark: Standard tablet stamped "RUNWAY ET 1969" crimped to 10 ft. of copper weld rod in 8 inch concrete post.

Reference mark No. 1: Standard tablet stamped "1 1969" crimped to 5 ft. of copper weld rod in 8 inch concrete post.

Reference mark No. 2: Standard tablet stamped "2 1969" crimped to 5 ft. of copper weld rod in 8 inch concrete post.

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: RUNWAY USGS OBS BY USGS
 STATE: ARIZONA YEAR: 1969 SECOND ORDER
 LOCALITY:
 SOURCE: G-14853 FIELD SKETCH:

GEODETIC LATITUDE:	34 39 11.93872	ELEVATION:	1528.3 METERS
GEODETIC LONGITUDE:	112 25 37.70363		5014 FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	FOR Δ 41 ANGLE *
AZ C	0202	346,481.70	1,329,471.79	0 17 25

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE Δ 41 FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH * (From south)	CODE
ENTRO USGS	322 46 02.5	323 03 28	0202

SE 033

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APR 14 1977

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

ARIZONA 485

QUAD 341121 STATION 1011
 ARIZ
 LATITUDE 34° 30' TO 35° 00'
 LONGITUDE 112° 00' TO 112° 30'
 DIAGRAM NT 12-4 PRESCOTT

ADJUSTED HORIZONTAL CONTROL DATA

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 Geological Survey
 Form No. 5612-1 Rev. 1966

DESCRIPTION HORIZONTAL CONTROL STATION

Triangulation Electronic - Distance Traverse Intersected Object
 Station WHIPPLE ET (USGS) County Yavapai State Arizona (283)
 Established by W.P.H. (USGS) Year 1969 Project Congress FH 1413

Check one:

New Station: Wire full description below

Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Directions
		Feet	Meters	
Entro ET (USGS)				0 00 00.00
RM NO. 2	NE	33.89	10.329	21 56 20
RM NO. 1	NW	30.90	9.420	290 28 12

Located about 1.0 mi. NE. of the center of Prescott; and about 0.5 mi. N. of the Fort Whipple Veterans Hospital; on a low top.

To reach from the intersection of S. Montezuma and W. Gurley in Prescott (City Center), go W. on W. Gurley 0.4 mi. to Miller Valley Rd.; turn N. 1.9 mi. to intersection of Willow Creek Rd. and Rosser St.; E. on Rosser St. 0.5 mi. to Campbell Avenue; N. 0.05 mi. to Delano Avenue and the Taylor Hicks Elementary School; E. on Delano Avenue (dirt rd.) 1.0 mi. to N.-S. fence; turn S. on track rd. following S. and W. 0.4 mi. to T-rd.; turn E. on track rd. 0.3 mi. to and through gate in E.-W. fence; continue 0.1 mi. to ridge top; thence E. on ridge 0.4 mi. to high point and station (about 0.5 mi. N. of Fort Whipple).

Station mark: Standard USGS tablet stamped "WHIPPLE ET 1969" crimped to a copperweld rod driven to refusal with a 4 inch diameter concrete collar 18 inches deep.

Reference mark No. 1: Standard reference mark tablet stamped "NO 1 1969" crimped to a copperweld rod with a 4 inch concrete collar 18 inches deep and 2.5 ft. below station mark.

Reference mark No. 2: Standard reference mark tablet stamped "NO 2 1969" crimped to a copperweld rod with a 4 inch concrete collar 18 inches deep and 2.0 ft. below station mark.

NAME OF STATION: WHIPPLE USGS OBS BY USGS
 STATE: ARIZONA YEAR: 1969 SECOND -ORDER
 LOCALITY:
 SOURCE: G-14853 FIELD SKETCH:

GEODETIC LATITUDE:	34 33 51.91572	ELEVATION:	1717.6 METERS
GEODETIC LONGITUDE:	112 27 25.49126		5635 FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	± 10" Δ ± 1" ANGLE *
AZ C	0202	337,303.93	1,297,168.57	- 0 18 24 *

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE ± 10" Δ ± 1" FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From north)	PLANE AZIMUTH * (From north)	CODE
ENTRO USGS	217° 38' 34.3"	217° 56' 58"	0202

SE 031

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APR 14 1977

DEC 1976
 U. S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

ARIZONA 283

QUAD 341121 STATION 1012
 ARIZ
 LATITUDE 34 ° 30' TO 35 ° 00'
 LONGITUDE 112 ° 00' TO 112 ° 30'
 DIAGRAM NI 12-4 PRESCOTT

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 Geological Survey
 Form No. 9-57 (Rev. 1-69)

DESCRIPTION HORIZONTAL CONTROL STATION

Triangulation Electronic - Distance Traverse Intersected Object
 Station PRESCOTT ET (USGS) County Yavapai State Arizona (283)
 Established by G.G. (USGS) Year 1969 Project Congress PH 1413

Check one

New Station: Write full description below

Recovery of Old Station: Restored by _____ Year _____ Project _____

Object	Bearing	Distance		Directions
		Feet	Meters	
Watson ET (USGS)				0 00 00.00
RM NO. 1	SSE	22.36	6.818	96 36 26
RM NO. 2	W	39.05	11.907	187 57 46

Located in Prescott on the W. side of town; on a hill on N. side of the Prescott City water tank.

To reach from courthouse at intersection of Highway 89 and W. Gurley Street go W. to Park Street; turn left to Coronado, across from Lincoln School; turn right on Coronado to Country Club Avenue; right on Country Club Avenue to dirt rd. left about 90 ft. W. of intersection; passing N. side of corner house, follow dirt rd. to top and station mark, on the N. side of tank, at N. edge of rd.

Station mark: A USGS tablet stamped "PRESCOTT ET 1969" crimped onto copper rod encased in 1/8 inch of soil pipe.

Reference mark No. 1: A USGS tablet stamped "1 1969" crimped onto copper rod and encased in 1/8 inch of soil pipe, 0.6 ft. above station mark.

Reference mark No. 2: A USGS tablet stamped "2 1969" crimped onto copper rod and encased in 1/8 inch of soil pipe, 0.7 ft. below station mark.

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: PRESCOTT USGS OBS BY USGS
 STATE: ARIZONA YEAR: 1969 SECOND -ORDER
 LOCALITY:
 SOURCE: G-14853 FIELD SKETCH:

GEODETIC LATITUDE: <u>34 32 09.66406</u>	ELEVATION: <u>1740.3</u> METERS
GEODETIC LONGITUDE: <u>112 29 19.46180</u>	<u>5710</u> FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	φ OR Δ OR ANGLE*
<u>AZ C</u>	<u>0202</u>	<u>327,714.24</u>	<u>1,286,884.83</u>	<u>- 0 19 28</u>

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE φ OR Δ OR φ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From mark)	PLANE AZIMUTH* (From mark)	CODE
<u>WATSON USGS</u>	<u>247 14 03.5</u>	<u>247 33 31</u>	<u>0202</u>

SE 030

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DEC 1976
 U. S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

ARIZONA

285

QUAD 341121 STATION 1013
 ARIZ
 LATITUDE 34° 30' TO 35° 00'
 LONGITUDE 112° 00' TO 112° 30'
 DIAGRAM NI 12-4 PRESCOTT

ADJUSTED HORIZONTAL CONTROL DATA

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 Geological Survey
 Form No. 9-523 Rev. 1-58

DESCRIPTION HORIZONTAL CONTROL STATION

Triangulation Electronic - Distance Traverse Intersected Object
 Station WATSON ET (USGS) County YAVAPAI State Arizona (283)
 Established by G.C. (USGS) Year 1969 Project CONSTR. FH 1413

Check one:

New Station: Write full description below
 Recovery of Old Station: Reinstated by _____ Year _____ Project _____

Object	Bearing	Distance		Directions
		Feet	Meters	
Lynx ET (USGS)				0 00 00.00
RM NO. 1	S	20.08	6.119	101 05 34
RM NO. 2	NE	31.08	9.474	356 39 02

Located about 9.0 mi. NW. of Dewey; about 4.5 mi. NE. of Prescott on a low rocky top.

To reach from the courthouse in Prescott; go E. and NE. on Highway 89 for 1.8 mi. to junction with Highway 69; turn right on Highway 69 for 4.8 mi. to Ramada Drive, turn left on Ramada Drive at Diamond Valley Homes and go 0.6 mi. to Thelma Drive; turn right on Thelma Drive for 0.1 mi. to Topaz and Thelma Drive; turn right on Topaz Drive for 0.1 mi. to a four-way-rd. intersection at a steel tower power line; turn left on rd. that goes up power line for 0.5 mi. to wash at trail fork; go left for 0.1 mi. to wire gate; pass through gate and continue 0.3 mi. to a earth dam at a stock tank; cross earth dam and go 0.1 mi. uphill to a saddle; go left along ridge for 0.1 mi. cross-country to a fence and end of truck travel. Pack uphill to the top and station mark. About a 5-minute pack.

Station mark: A standard USGS tablet stamped "WATSON ET 1969" cemented in a drill hole in solid bedrock.

Reference mark No. 1: A standard USGS tablet stamped "NO 1 1969" cemented in a drill hole in solid bedrock, 1.0 ft. below the station mark.

Reference mark No. 2: A standard USGS tablet stamped "NO 2 1969" cemented in a drill hole in solid bedrock, 1.1 ft. below the station mark.

NAME OF STATION: WATSON USGS

OBS BY USGS

STATE: ARIZONA

YEAR: 1969

SECOND

-ORDER

LOCALITY:

SOURCE: G-14853

FIELD SKETCH:

GEODETTIC LATITUDE:	<u>34 33 54.91516</u>	ELEVATION:	<u>1728.0</u> METERS
GEODETTIC LONGITUDE:	<u>112 24 15.99768</u>		<u>5669</u> FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	ϕ OR Δ θ ANGLE
<u>AZ C</u>	<u>0202</u>	<u>353,152.36</u>	<u>1,297,391.10</u>	<u>- 0 16 36</u>

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE ϕ OR Δ θ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETTIC AZIMUTH (From mark)	PLANE AZIMUTH (From mark)	CODE
<u>LYNX USGS</u>	<u>255 09 12.6</u>	<u>255 25 49</u>	<u>0202</u>

SE 029

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DEC 1976
 U. S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

ARIZONA 283

QUAD 341121 STATION 1014
 ARIZ
 LATITUDE 34° 30' TO 35° 00'
 LONGITUDE 112° 00' TO 112° 30'
 DIAGRAM NI 12-4 PRESCOTT

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 Geological Survey
 Form No. 5612-C, Rev. 1-56

DESCRIPTION HORIZONTAL CONTROL STATION

Triangulation Electronic Distance Traverse Intersected Object
 Station LYNX E.T. (USGS) County Yavapai State Arizona (283)
 Established by R.D.H. (USGS) Year 1969 Project PH 1413 Congress

Check New Station: Write full description below
 Recovery of Old Station: Returned by _____ Year _____ Project _____

Object	Bearing	Distance		Directions
		Feet	Meters	

Located about 14 mi. (airline) NW. of Mayer; about 8 mi. NE. of Prescott; about 4 mi. SE. of Entro; about 900 ft. S. of State Highway 69; at the E. side of the Northridge Mobile Home Park; 6.2 ft. NNW. of a green Arizona Public Service Utility Box; 3.2 ft. E. of a N.-S. fence; 3.4 ft. SW. of a witness post.

To reach from the NE. intersection of the Courthouse Square in Prescott, drive E. along Highway 89 for 1.3 mi. to junction of Highways 89 and 69; take right fork along State Highway 69 for 8.85 mi. to rd. junction right into trailer park; take right fork into park for 0.05 mi. and rd. intersection; take left fork past right angle turn S. for 0.2 mi. to station on left at fence.

Station mark: A USGS tablet stamped "LYNX ET 1969" crimped on copperweld red encased in soil pipe and projecting 0.1 ft.

Reference marks: None set due to request of land owner.

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: LYNX USGS OBS BY USGS
 STATE: ARIZONA YEAR: 1969 SECOND -ORDER
 LOCALITY:
 SOURCE: G-14853 FIELD BATCH:

GEODETIC LATITUDE	<u>34 35 00.86604</u>	ELEVATION:	<u>1551.8</u> METERS
GEODETIC LONGITUDE	<u>112 19 14.72210</u>		<u>5091</u> FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	θ (DIP ANGLE)*
<u>AZ C</u>	<u>0202</u>	<u>378,373.78</u>	<u>1,303,946.54</u>	<u>- 0 13 46</u>

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE $\theta = \tan^{-1} \frac{Y}{X}$ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
<u>FAIN USGS</u>	<u>285 56 32.5</u>	<u>286 10 18</u>	<u>0202</u>

SE 028

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HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

ARIZONA 20

QUAD 341121 STATION 1015
 ARIZ
 LATITUDE 34° 30' TO 35° 00'
 LONGITUDE 112° 00' TO 112° 30'
 DIAGRAM NI 12-4 PRESCOTT

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 Geological Survey
 Form No. 9-122-1 Rev. 1964

DESCRIPTION HORIZONTAL CONTROL STATION

Triangulation Electronic Distance Traverse Intersected Object
 Station FAIN ET (USGS) County Yavapai State Arizona (281)
 Established by L.H. (USGS) Year 1969 Project Congress RM 1413
 Check one:
 New Station: Write full description below
 Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Directions
		Feet	Meters	
Lynx ET (USGS) RM NO. 2	ENE	30.87	9.409	0 00 00.00 148 19 20
Humboldt Sm. Stack about 4.3 mi.	SSE			237 54 57.3
RM NO. 1	S	27.04	8.243	245 48 47

Located about 13 mi. ENE. of Prescott Arizona; about 8 mi. N. of Poland junction; about 3 mi. N. of Dewey; on N. westerly end of a flat top, behind ranch house. A stock tank is also on this top.

To reach from Dewey Arizona, drive N. along State Highway 69 for 2.8 mi. to dirt rd. thru ranch; turn right and follow dirt rd. for 0.4 mi.; turn right for 0.1 mi.; turn left around barn and follow rd. 0.2 mi. to top and station mark.

Station mark: A standard USGS brass tablet stamped "FAIN 1969" crimped on a copperweld rod and set in concrete collar.

Reference mark No. 1: A standard USGS reference mark brass tablet stamped "RM 1" crimped on a copperweld rod and set in concrete collar.

Reference mark No. 2: A standard USGS brass reference mark tablet stamped "RM 2" crimped on a copperweld rod and set in concrete collar.

Azimuth Mark: Humboldt Smoke stack about 4.3 mi. (airline) from station mark.

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: FAIN USGS OBS BY USGS
 STATE: ARIZONA YEAR: 1969 SECOND ORDER
 LOCALITY:
 SOURCE: G-14853 FIELD SKETCH:

GEODETTIC LATITUDE:	34 34 05.92782	ELEVATION:	1458.3 METERS
GEODETTIC LONGITUDE:	112 15 22.49910		4784 FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	ϕ OR Δ = ANGLE
AZ C	0202	397,770.86	1,298,321.56	- 0° 11' 34"

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE ϕ OR Δ ϕ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETTIC AZIMUTH (From mark)	PLANE AZIMUTH (From mark)	CODE
LYNX USGS	105° 58' 44.3	106° 10' 18"	0202

SE 027

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HORIZONTAL CONTROL DATA

by the
 National Ocean Survey
 NORTH AMERICAN 1927 DATUM

QUAD 341121 STATION 1016
 ARIZ
 LATITUDE 34° 30' TO 35° 00'
 LONGITUDE 112° 00' TO 112° 30'
 DIAGRAM NI 12-4 PRESCOTT

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 Geological Survey
 Form No. 7-7275 Rev. 1968

DESCRIPTION HORIZONTAL CONTROL STATION

Triangulation Electronic - Distance Traverse Intersected Object
 Station DEWEY ET (USGS) County YAVAPAI State Arizona (262)
 Established by P.L.A. (USGS) Year 1969 Project Congress PH 1413

Check one: New Station: Write full description below
 Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Directions
		Feet	Meters	
Fain ET (USGS) RM NO. 1	SSE	46.51	14.176	0 00 00.00 199 03 41
Humboldt Sm. Stack (about 2 mi.) RM NO. 2	S W	44.14	13.455	208 52 47.2 307 18 54

Located about 13 mi. E. of Prescott; 0.6 mi. E. of Dewey; on level ground at a fence corner.

To reach from the junction of State Highway 69 and rd. E. to Dewey, drive E. across the RR. tracks for 0.6 mi. to a N.-S. fence, turn left and drive N. along the W. side of the fence for 300 ft. to a fence corner and station mark.

Station mark: A standard USGS tablet stamped "DEWEY ET 1969" crimped on the end of a copperweld rod that has been driven to refusal, level with the ground.

Reference mark No. 1: A standard USGS reference mark tablet stamped "1 1969", crimped on the end of a copperweld rod that has been driven to refusal, level with the ground, and 2 ft. below the station mark.

Reference mark No. 2: A standard USGS reference mark tablet stamped "2 1969", crimped on the end of a copperweld rod that has been driven to refusal, level with the ground, and 1 ft. above the station.

Humboldt Smoke Stack: A tall masonry smelter stack about 2.0 mi. from the station mark.

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION DEWEY USGS OBS BY USGS
 STATE ARIZONA YEAR 1969 SECOND ORDER
 LOCALITY:
 SOURCE G-14853 FIELD BATCH:

GEODETIC LATITUDE	34 31 49.01237	ELEVATION:	1396.8 METERS
GEODETIC LONGITUDE	112 13 52.85943		4583 FEET

STATE COORDINATES (NAD)				
STATE & ZONE	CODE	X	Y	θ (100 Δ RI ANGLE)*
AZ C	0202	405,223.72	1,284,457.18	- 0 10 42

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ = 100 Δ RI FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH* (From south)	CODE
FAIN USGS	151 33 39.8	151 44 22	0202

SE 026