

Terrain height data from NED 1-Sec DEM(USGS) for radials centered on:  
 42° 27' 13" N 85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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000.0	(287.0, 285.0, 286.0, 286.0, 284.0, 283.0, 286.0, 280.0, 285.0, 281.0, 284.0, 278.0, 281.0, 268.0, 267.0, 269.0, 269.0, 270.0, 269.0, 269.0, 270.0, 277.0, 289.0, 284.0, 276.0, 283.0, 278.0, 275.0, 275.0, 273.0, 281.0, 275.0, 272.0, 278.0, 281.0, 289.0, 280.0, 280.0, 276.0, 293.0, 283.0, 276.0, 275.0, 275.0, 274.0, 281.0, 280.0, 277.0, 270.0, 272.0, 270.0)	278.0
001.0	(289.0, 283.0, 286.0, 284.0, 285.0, 284.0, 281.0, 287.0, 286.0, 278.0, 284.0, 272.0, 269.0, 273.0, 268.0, 271.0, 270.0, 271.0, 269.0, 267.0, 268.0, 267.0, 283.0, 291.0, 287.0, 283.0, 282.0, 282.0, 280.0, 274.0, 274.0, 278.0, 283.0, 275.0, 279.0, 283.0, 276.0, 271.0, 278.0, 282.0, 290.0, 281.0, 278.0, 283.0, 271.0, 272.0, 270.0, 272.0, 269.0, 268.0, 269.0)	277.3
002.0	(289.0, 283.0, 286.0, 286.0, 285.0, 280.0, 280.0, 288.0, 285.0, 281.0, 285.0, 282.0, 270.0, 274.0, 268.0, 270.0, 271.0, 271.0, 268.0, 270.0, 267.0, 268.0, 270.0, 284.0, 289.0, 285.0, 283.0, 284.0, 271.0, 271.0, 283.0, 296.0, 276.0, 271.0, 269.0, 291.0, 278.0, 270.0, 270.0, 273.0, 278.0, 287.0, 278.0, 282.0, 276.0, 276.0, 276.0, 271.0, 275.0, 273.0, 280.0)	277.7
003.0	(286.0, 286.0, 286.0, 284.0, 283.0, 279.0, 283.0, 285.0, 281.0, 280.0, 283.0, 278.0, 277.0, 278.0, 284.0, 270.0, 285.0, 280.0, 272.0, 275.0, 269.0, 290.0, 287.0, 288.0, 283.0, 283.0, 273.0, 275.0, 271.0, 269.0, 288.0, 277.0, 283.0, 271.0, 269.0, 269.0, 288.0, 272.0, 271.0, 270.0, 272.0, 271.0, 271.0, 279.0, 289.0, 287.0, 271.0, 273.0, 270.0, 274.0, 273.0)	278.1
004.0	(286.0, 286.0, 285.0, 284.0, 283.0, 280.0, 280.0, 282.0, 281.0, 285.0, 284.0, 285.0, 286.0, 287.0, 280.0, 268.0, 279.0, 276.0, 284.0, 290.0, 290.0, 289.0, 286.0, 285.0, 276.0, 283.0, 284.0, 279.0, 279.0, 269.0, 270.0, 275.0, 270.0, 270.0, 269.0, 272.0, 267.0, 265.0, 277.0, 271.0, 278.0, 272.0, 269.0, 275.0, 277.0, 278.0, 270.0, 267.0, 275.0, 286.0, 274.0)	278.2
005.0	(285.0, 286.0, 286.0, 284.0, 283.0, 281.0, 279.0, 281.0, 283.0, 287.0, 286.0, 288.0, 289.0, 282.0, 273.0, 271.0, 287.0, 272.0, 281.0, 298.0, 299.0, 296.0, 292.0, 287.0, 280.0, 275.0, 274.0, 285.0, 279.0, 278.0, 269.0, 269.0, 277.0, 277.0, 272.0, 278.0, 275.0, 269.0, 269.0, 270.0, 276.0, 274.0, 269.0, 271.0, 275.0, 273.0, 268.0, 269.0, 268.0, 274.0, 276.0)	278.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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006.0	(283.0, 286.0, 286.0, 284.0, 283.0, 281.0, 279.0, 280.0, 279.0, 286.0, 286.0, 287.0, 292.0, 285.0, 273.0, 270.0, 279.0, 281.0, 276.0, 291.0, 285.0, 297.0, 296.0, 291.0, 280.0, 285.0, 273.0, 272.0, 272.0, 282.0, 271.0, 277.0, 284.0, 286.0, 278.0, 284.0, 280.0, 271.0, 273.0, 272.0, 273.0, 270.0, 270.0, 273.0, 269.0, 270.0, 268.0, 267.0, 268.0, 270.0, 272.0)	278.9
007.0	(278.0, 284.0, 285.0, 285.0, 283.0, 282.0, 279.0, 284.0, 277.0, 286.0, 285.0, 284.0, 290.0, 283.0, 280.0, 275.0, 274.0, 277.0, 273.0, 277.0, 288.0, 293.0, 290.0, 296.0, 280.0, 280.0, 281.0, 278.0, 276.0, 274.0, 281.0, 287.0, 283.0, 285.0, 293.0, 276.0, 285.0, 274.0, 274.0, 282.0, 273.0, 274.0, 274.0, 281.0, 273.0, 276.0, 267.0, 268.0, 270.0, 267.0, 276.0)	280.0
008.0	(278.0, 283.0, 287.0, 286.0, 281.0, 279.0, 282.0, 285.0, 279.0, 286.0, 285.0, 284.0, 279.0, 287.0, 275.0, 277.0, 284.0, 267.0, 272.0, 273.0, 281.0, 282.0, 286.0, 284.0, 281.0, 283.0, 289.0, 284.0, 273.0, 275.0, 277.0, 286.0, 285.0, 282.0, 283.0, 282.0, 287.0, 278.0, 280.0, 286.0, 285.0, 285.0, 278.0, 276.0, 278.0, 276.0, 281.0, 274.0, 279.0, 274.0, 269.0)	280.6
009.0	(278.0, 282.0, 288.0, 285.0, 280.0, 280.0, 282.0, 286.0, 281.0, 279.0, 285.0, 283.0, 287.0, 287.0, 283.0, 277.0, 284.0, 272.0, 273.0, 272.0, 280.0, 285.0, 285.0, 286.0, 284.0, 286.0, 288.0, 289.0, 273.0, 279.0, 287.0, 286.0, 290.0, 280.0, 279.0, 295.0, 291.0, 291.0, 282.0, 285.0, 286.0, 283.0, 278.0, 270.0, 273.0, 278.0, 280.0, 275.0, 281.0, 274.0, 270.0)	281.9
010.0	(278.0, 279.0, 287.0, 279.0, 281.0, 280.0, 283.0, 275.0, 284.0, 286.0, 285.0, 284.0, 284.0, 289.0, 283.0, 274.0, 283.0, 278.0, 274.0, 276.0, 277.0, 279.0, 285.0, 286.0, 286.0, 286.0, 298.0, 296.0, 280.0, 278.0, 280.0, 284.0, 296.0, 282.0, 273.0, 273.0, 285.0, 297.0, 289.0, 286.0, 283.0, 287.0, 275.0, 272.0, 270.0, 265.0, 269.0, 278.0, 276.0, 275.0, 270.0)	281.2
011.0	(278.0, 278.0, 286.0, 279.0, 281.0, 280.0, 283.0, 282.0, 285.0, 285.0, 285.0, 284.0, 280.0, 288.0, 287.0, 285.0, 277.0, 269.0, 279.0, 280.0, 280.0, 284.0, 286.0, 286.0, 288.0, 292.0, 289.0, 297.0, 289.0, 277.0, 277.0, 272.0, 272.0, 283.0, 281.0, 275.0, 292.0, 299.0, 293.0, 283.0, 283.0, 283.0, 284.0, 295.0, 268.0, 264.0, 264.0, 267.0, 272.0, 275.0, 279.0)	281.6

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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012.0	(278.0, 278.0, 281.0, 279.0, 274.0, 280.0, 281.0, 282.0, 284.0, 284.0, 285.0, 284.0, 287.0, 289.0, 288.0, 287.0, 269.0, 264.0, 273.0, 279.0, 284.0, 286.0, 288.0, 290.0, 289.0, 293.0, 298.0, 290.0, 287.0, 282.0, 282.0, 276.0, 272.0, 281.0, 273.0, 274.0, 277.0, 276.0, 275.0, 274.0, 277.0, 285.0, 288.0, 291.0, 286.0, 265.0, 271.0, 265.0, 276.0, 277.0, 281.0)	280.7
013.0	(280.0, 278.0, 278.0, 279.0, 279.0, 280.0, 281.0, 280.0, 284.0, 285.0, 286.0, 287.0, 290.0, 290.0, 289.0, 287.0, 278.0, 264.0, 265.0, 275.0, 285.0, 285.0, 291.0, 291.0, 287.0, 291.0, 295.0, 296.0, 292.0, 277.0, 280.0, 292.0, 286.0, 273.0, 273.0, 274.0, 272.0, 272.0, 273.0, 273.0, 274.0, 275.0, 285.0, 282.0, 277.0, 281.0, 265.0, 274.0, 264.0, 270.0, 286.0)	280.5
014.0	(280.0, 278.0, 278.0, 279.0, 278.0, 279.0, 283.0, 284.0, 283.0, 286.0, 288.0, 292.0, 289.0, 290.0, 289.0, 289.0, 286.0, 264.0, 264.0, 272.0, 288.0, 286.0, 285.0, 286.0, 287.0, 287.0, 289.0, 295.0, 299.0, 285.0, 287.0, 286.0, 283.0, 292.0, 278.0, 274.0, 282.0, 285.0, 279.0, 273.0, 279.0, 278.0, 283.0, 281.0, 289.0, 296.0, 288.0, 267.0, 263.0, 262.0, 272.0)	282.3
015.0	(280.0, 278.0, 278.0, 278.0, 278.0, 280.0, 282.0, 286.0, 284.0, 289.0, 291.0, 293.0, 289.0, 289.0, 290.0, 286.0, 287.0, 268.0, 271.0, 286.0, 286.0, 286.0, 284.0, 284.0, 286.0, 285.0, 287.0, 289.0, 296.0, 275.0, 282.0, 283.0, 282.0, 289.0, 290.0, 277.0, 273.0, 284.0, 285.0, 289.0, 289.0, 292.0, 288.0, 275.0, 278.0, 279.0, 283.0, 270.0, 272.0, 265.0, 260.0)	282.5
016.0	(280.0, 278.0, 278.0, 278.0, 278.0, 278.0, 280.0, 286.0, 286.0, 292.0, 296.0, 294.0, 284.0, 289.0, 289.0, 286.0, 288.0, 264.0, 269.0, 278.0, 284.0, 277.0, 286.0, 286.0, 286.0, 282.0, 281.0, 291.0, 296.0, 275.0, 276.0, 275.0, 286.0, 281.0, 286.0, 289.0, 274.0, 273.0, 277.0, 286.0, 287.0, 293.0, 290.0, 286.0, 281.0, 272.0, 271.0, 264.0, 261.0, 261.0, 264.0)	281.0
017.0	(280.0, 278.0, 278.0, 278.0, 278.0, 278.0, 278.0, 283.0, 285.0, 291.0, 297.0, 289.0, 285.0, 289.0, 287.0, 288.0, 286.0, 264.0, 273.0, 273.0, 275.0, 275.0, 287.0, 286.0, 286.0, 286.0, 289.0, 291.0, 298.0, 286.0, 281.0, 268.0, 290.0, 285.0, 287.0, 289.0, 283.0, 272.0, 272.0, 278.0, 283.0, 279.0, 280.0, 279.0, 277.0, 273.0, 270.0, 263.0, 262.0, 263.0, 272.0)	280.5

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N 85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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018.0	(280.0, 278.0, 278.0, 278.0, 278.0, 278.0, 278.0, 280.0, 281.0, 286.0, 291.0, 287.0, 286.0, 286.0, 283.0, 284.0, 274.0, 269.0, 278.0, 276.0, 270.0, 264.0, 285.0, 280.0, 291.0, 289.0, 292.0, 289.0, 293.0, 297.0, 281.0, 268.0, 286.0, 280.0, 284.0, 284.0, 285.0, 282.0, 273.0, 272.0, 280.0, 289.0, 283.0, 280.0, 277.0, 276.0, 272.0, 265.0, 263.0, 267.0, 271.0)	279.9
019.0	(280.0, 278.0, 281.0, 279.0, 279.0, 278.0, 278.0, 279.0, 282.0, 288.0, 284.0, 289.0, 284.0, 286.0, 281.0, 277.0, 265.0, 263.0, 264.0, 268.0, 274.0, 262.0, 269.0, 283.0, 288.0, 290.0, 284.0, 290.0, 289.0, 294.0, 283.0, 271.0, 279.0, 280.0, 285.0, 283.0, 286.0, 280.0, 280.0, 273.0, 272.0, 283.0, 285.0, 284.0, 291.0, 271.0, 275.0, 271.0, 265.0, 263.0, 258.0)	278.5
020.0	(280.0, 280.0, 284.0, 282.0, 279.0, 278.0, 280.0, 282.0, 288.0, 292.0, 283.0, 280.0, 282.0, 284.0, 271.0, 275.0, 275.0, 262.0, 264.0, 263.0, 262.0, 267.0, 262.0, 283.0, 289.0, 280.0, 280.0, 277.0, 282.0, 283.0, 279.0, 274.0, 279.0, 281.0, 283.0, 285.0, 285.0, 283.0, 277.0, 274.0, 281.0, 271.0, 270.0, 281.0, 290.0, 288.0, 273.0, 290.0, 273.0, 264.0, 261.0)	277.8
021.0	(282.0, 282.0, 290.0, 287.0, 280.0, 278.0, 283.0, 289.0, 294.0, 296.0, 286.0, 281.0, 269.0, 277.0, 269.0, 274.0, 274.0, 262.0, 264.0, 265.0, 265.0, 262.0, 278.0, 269.0, 286.0, 280.0, 277.0, 261.0, 265.0, 273.0, 289.0, 273.0, 274.0, 272.0, 276.0, 277.0, 280.0, 285.0, 289.0, 274.0, 283.0, 292.0, 293.0, 296.0, 289.0, 279.0, 286.0, 284.0, 280.0, 274.0, 263.0)	278.5
022.0	(284.0, 290.0, 295.0, 289.0, 281.0, 282.0, 285.0, 297.0, 300.0, 300.0, 295.0, 281.0, 268.0, 267.0, 268.0, 271.0, 271.0, 264.0, 262.0, 271.0, 264.0, 262.0, 263.0, 265.0, 274.0, 276.0, 268.0, 261.0, 260.0, 260.0, 279.0, 267.0, 271.0, 275.0, 286.0, 284.0, 282.0, 279.0, 283.0, 280.0, 277.0, 280.0, 287.0, 287.0, 290.0, 283.0, 289.0, 300.0, 282.0, 283.0, 261.0)	277.9
023.0	(288.0, 294.0, 300.0, 290.0, 282.0, 283.0, 287.0, 291.0, 296.0, 293.0, 282.0, 277.0, 271.0, 265.0, 268.0, 273.0, 265.0, 263.0, 263.0, 267.0, 265.0, 262.0, 266.0, 264.0, 270.0, 268.0, 262.0, 262.0, 265.0, 266.0, 273.0, 261.0, 262.0, 265.0, 287.0, 288.0, 281.0, 280.0, 281.0, 279.0, 276.0, 287.0, 284.0, 278.0, 279.0, 290.0, 286.0, 287.0, 273.0, 276.0, 274.0)	276.1

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N 85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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024.0	(289.0, 297.0, 305.0, 296.0, 293.0, 293.0, 299.0, 292.0, 297.0, 298.0, 284.0, 275.0, 276.0, 267.0, 266.0, 266.0, 264.0, 262.0, 265.0, 271.0, 275.0, 272.0, 270.0, 270.0, 264.0, 262.0, 262.0, 259.0, 262.0, 262.0, 269.0, 261.0, 261.0, 261.0, 289.0, 288.0, 284.0, 280.0, 283.0, 276.0, 279.0, 290.0, 286.0, 279.0, 286.0, 286.0, 285.0, 285.0, 271.0, 273.0, 268.0)	277.3
025.0	(293.0, 301.0, 306.0, 298.0, 302.0, 308.0, 304.0, 307.0, 300.0, 300.0, 283.0, 280.0, 278.0, 269.0, 266.0, 265.0, 263.0, 262.0, 263.0, 265.0, 274.0, 274.0, 265.0, 263.0, 270.0, 263.0, 260.0, 259.0, 261.0, 259.0, 260.0, 261.0, 261.0, 264.0, 259.0, 258.0, 263.0, 263.0, 255.0, 273.0, 276.0, 284.0, 277.0, 276.0, 282.0, 283.0, 285.0, 286.0, 281.0, 277.0, 272.0)	275.3
026.0	(296.0, 300.0, 302.0, 300.0, 303.0, 297.0, 301.0, 303.0, 299.0, 296.0, 287.0, 286.0, 284.0, 286.0, 268.0, 265.0, 263.0, 263.0, 262.0, 280.0, 276.0, 279.0, 270.0, 263.0, 261.0, 262.0, 260.0, 261.0, 262.0, 259.0, 261.0, 263.0, 268.0, 278.0, 264.0, 263.0, 257.0, 257.0, 255.0, 255.0, 254.0, 264.0, 276.0, 267.0, 286.0, 284.0, 284.0, 291.0, 283.0, 276.0, 271.0)	275.1
027.0	(303.0, 302.0, 299.0, 299.0, 297.0, 299.0, 301.0, 303.0, 296.0, 291.0, 290.0, 290.0, 284.0, 275.0, 272.0, 266.0, 264.0, 264.0, 262.0, 282.0, 284.0, 286.0, 285.0, 272.0, 264.0, 262.0, 259.0, 265.0, 274.0, 263.0, 259.0, 265.0, 265.0, 270.0, 269.0, 269.0, 258.0, 255.0, 256.0, 268.0, 255.0, 253.0, 255.0, 255.0, 263.0, 265.0, 284.0, 284.0, 269.0, 269.0, 255.0)	273.8
028.0	(304.0, 300.0, 300.0, 297.0, 304.0, 293.0, 306.0, 307.0, 303.0, 296.0, 299.0, 290.0, 284.0, 276.0, 283.0, 275.0, 273.0, 269.0, 264.0, 283.0, 286.0, 290.0, 280.0, 269.0, 271.0, 261.0, 261.0, 287.0, 267.0, 271.0, 263.0, 268.0, 260.0, 267.0, 270.0, 256.0, 255.0, 263.0, 259.0, 262.0, 261.0, 270.0, 275.0, 279.0, 278.0, 262.0, 261.0, 258.0, 251.0, 250.0, 251.0)	275.3
029.0	(294.0, 299.0, 300.0, 302.0, 305.0, 294.0, 307.0, 309.0, 307.0, 303.0, 299.0, 294.0, 286.0, 286.0, 282.0, 284.0, 280.0, 273.0, 271.0, 285.0, 285.0, 288.0, 288.0, 275.0, 269.0, 281.0, 270.0, 282.0, 272.0, 267.0, 264.0, 269.0, 275.0, 280.0, 275.0, 275.0, 257.0, 266.0, 264.0, 259.0, 262.0, 273.0, 275.0, 270.0, 273.0, 263.0, 252.0, 252.0, 254.0, 260.0, 257.0)	278.4

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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030.0	(293.0, 297.0, 298.0, 302.0, 304.0, 306.0, 307.0, 304.0, 302.0, 297.0, 297.0, 295.0, 290.0, 293.0, 289.0, 283.0, 290.0, 283.0, 281.0, 288.0, 292.0, 292.0, 289.0, 287.0, 279.0, 278.0, 273.0, 286.0, 288.0, 281.0, 279.0, 282.0, 289.0, 280.0, 286.0, 284.0, 260.0, 258.0, 261.0, 265.0, 267.0, 263.0, 270.0, 282.0, 283.0, 275.0, 271.0, 266.0, 265.0, 267.0, 254.0)	283.2
031.0	(294.0, 297.0, 301.0, 301.0, 300.0, 307.0, 305.0, 299.0, 297.0, 289.0, 292.0, 291.0, 289.0, 292.0, 294.0, 290.0, 290.0, 277.0, 282.0, 290.0, 295.0, 300.0, 295.0, 284.0, 290.0, 286.0, 286.0, 285.0, 291.0, 290.0, 290.0, 288.0, 289.0, 289.0, 284.0, 286.0, 289.0, 281.0, 283.0, 260.0, 264.0, 262.0, 264.0, 272.0, 270.0, 258.0, 255.0, 254.0, 252.0, 252.0, 251.0)	283.6
032.0	(288.0, 295.0, 302.0, 301.0, 305.0, 308.0, 303.0, 296.0, 302.0, 279.0, 287.0, 286.0, 292.0, 291.0, 293.0, 292.0, 293.0, 293.0, 300.0, 297.0, 296.0, 298.0, 292.0, 283.0, 290.0, 299.0, 298.0, 292.0, 297.0, 293.0, 294.0, 293.0, 293.0, 291.0, 285.0, 296.0, 288.0, 291.0, 287.0, 284.0, 284.0, 283.0, 268.0, 272.0, 264.0, 260.0, 256.0, 252.0, 255.0, 253.0, 252.0)	287.1
033.0	(289.0, 286.0, 297.0, 309.0, 309.0, 303.0, 301.0, 298.0, 311.0, 278.0, 283.0, 285.0, 293.0, 290.0, 292.0, 287.0, 302.0, 300.0, 298.0, 292.0, 297.0, 302.0, 294.0, 289.0, 297.0, 299.0, 298.0, 296.0, 295.0, 297.0, 300.0, 294.0, 291.0, 279.0, 274.0, 274.0, 292.0, 288.0, 291.0, 287.0, 294.0, 272.0, 292.0, 274.0, 266.0, 263.0, 256.0, 259.0, 255.0, 254.0, 271.0)	288.1
034.0	(294.0, 295.0, 294.0, 303.0, 302.0, 288.0, 294.0, 304.0, 305.0, 279.0, 290.0, 286.0, 290.0, 289.0, 287.0, 292.0, 295.0, 292.0, 282.0, 285.0, 296.0, 301.0, 294.0, 292.0, 301.0, 299.0, 299.0, 296.0, 297.0, 296.0, 299.0, 283.0, 277.0, 274.0, 275.0, 288.0, 293.0, 300.0, 297.0, 291.0, 294.0, 285.0, 284.0, 266.0, 281.0, 273.0, 269.0, 256.0, 261.0, 271.0, 283.0)	288.5
035.0	(297.0, 303.0, 296.0, 293.0, 301.0, 287.0, 285.0, 298.0, 300.0, 279.0, 291.0, 284.0, 291.0, 284.0, 295.0, 296.0, 299.0, 287.0, 287.0, 286.0, 296.0, 298.0, 291.0, 299.0, 297.0, 302.0, 299.0, 299.0, 298.0, 295.0, 290.0, 280.0, 284.0, 280.0, 274.0, 295.0, 294.0, 297.0, 287.0, 294.0, 290.0, 289.0, 280.0, 281.0, 271.0, 263.0, 264.0, 272.0, 262.0, 267.0, 271.0)	288.0

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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036.0	(298.0, 303.0, 308.0, 296.0, 302.0, 294.0, 289.0, 296.0, 298.0, 291.0, 300.0, 282.0, 292.0, 292.0, 302.0, 309.0, 306.0, 302.0, 289.0, 302.0, 291.0, 295.0, 292.0, 297.0, 302.0, 301.0, 300.0, 298.0, 292.0, 293.0, 290.0, 285.0, 286.0, 285.0, 279.0, 282.0, 289.0, 291.0, 288.0, 289.0, 292.0, 285.0, 272.0, 283.0, 273.0, 270.0, 279.0, 276.0, 279.0, 284.0, 285.0)	291.1
037.0	(301.0, 302.0, 309.0, 302.0, 300.0, 296.0, 290.0, 300.0, 291.0, 302.0, 299.0, 287.0, 286.0, 302.0, 310.0, 311.0, 303.0, 304.0, 291.0, 305.0, 290.0, 296.0, 293.0, 296.0, 306.0, 299.0, 300.0, 301.0, 304.0, 292.0, 292.0, 293.0, 289.0, 286.0, 284.0, 280.0, 295.0, 291.0, 292.0, 294.0, 301.0, 274.0, 272.0, 270.0, 274.0, 274.0, 278.0, 283.0, 288.0, 287.0, 295.0)	293.2
038.0	(301.0, 301.0, 308.0, 307.0, 306.0, 293.0, 285.0, 304.0, 283.0, 304.0, 294.0, 292.0, 296.0, 306.0, 307.0, 311.0, 308.0, 304.0, 297.0, 302.0, 289.0, 294.0, 295.0, 298.0, 292.0, 297.0, 299.0, 302.0, 301.0, 294.0, 294.0, 292.0, 289.0, 289.0, 287.0, 284.0, 289.0, 292.0, 288.0, 294.0, 291.0, 282.0, 273.0, 274.0, 275.0, 274.0, 277.0, 282.0, 292.0, 294.0, 295.0)	293.5
039.0	(298.0, 302.0, 307.0, 305.0, 308.0, 307.0, 291.0, 297.0, 294.0, 308.0, 303.0, 301.0, 300.0, 304.0, 303.0, 311.0, 307.0, 305.0, 306.0, 292.0, 288.0, 290.0, 293.0, 296.0, 296.0, 296.0, 295.0, 301.0, 299.0, 295.0, 293.0, 292.0, 290.0, 286.0, 284.0, 282.0, 285.0, 288.0, 289.0, 296.0, 284.0, 278.0, 287.0, 286.0, 288.0, 280.0, 281.0, 285.0, 289.0, 294.0, 292.0)	294.6
040.0	(296.0, 302.0, 307.0, 305.0, 308.0, 307.0, 296.0, 297.0, 282.0, 303.0, 297.0, 296.0, 296.0, 305.0, 305.0, 308.0, 307.0, 307.0, 304.0, 301.0, 292.0, 289.0, 293.0, 292.0, 292.0, 298.0, 296.0, 297.0, 299.0, 295.0, 293.0, 291.0, 290.0, 286.0, 288.0, 287.0, 285.0, 287.0, 292.0, 292.0, 280.0, 281.0, 288.0, 290.0, 290.0, 285.0, 284.0, 287.0, 296.0, 291.0, 294.0)	294.7
041.0	(294.0, 302.0, 307.0, 304.0, 305.0, 301.0, 296.0, 305.0, 297.0, 284.0, 298.0, 291.0, 298.0, 301.0, 303.0, 307.0, 307.0, 308.0, 306.0, 298.0, 289.0, 288.0, 294.0, 292.0, 292.0, 295.0, 294.0, 291.0, 294.0, 294.0, 291.0, 290.0, 290.0, 287.0, 291.0, 290.0, 290.0, 289.0, 296.0, 290.0, 284.0, 281.0, 291.0, 289.0, 285.0, 280.0, 287.0, 286.0, 287.0, 289.0, 288.0)	293.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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042.0	(293.0, 299.0, 308.0, 306.0, 303.0, 298.0, 300.0, 305.0, 295.0, 290.0, 285.0, 294.0, 303.0, 302.0, 304.0, 299.0, 304.0, 304.0, 308.0, 300.0, 289.0, 289.0, 289.0, 296.0, 293.0, 292.0, 293.0, 290.0, 293.0, 293.0, 290.0, 289.0, 289.0, 288.0, 291.0, 290.0, 292.0, 294.0, 295.0, 295.0, 289.0, 289.0, 289.0, 289.0, 282.0, 280.0, 287.0, 283.0, 284.0, 286.0, 288.0)	293.7
043.0	(294.0, 295.0, 306.0, 305.0, 303.0, 297.0, 307.0, 303.0, 289.0, 293.0, 290.0, 299.0, 304.0, 303.0, 304.0, 302.0, 297.0, 294.0, 292.0, 301.0, 287.0, 294.0, 288.0, 293.0, 294.0, 293.0, 290.0, 290.0, 293.0, 291.0, 290.0, 290.0, 289.0, 289.0, 291.0, 293.0, 293.0, 295.0, 293.0, 292.0, 285.0, 286.0, 286.0, 285.0, 300.0, 292.0, 286.0, 286.0, 286.0, 286.0, 282.0)	293.4
044.0	(297.0, 294.0, 303.0, 302.0, 304.0, 294.0, 308.0, 306.0, 299.0, 297.0, 294.0, 298.0, 304.0, 303.0, 304.0, 301.0, 303.0, 291.0, 292.0, 291.0, 287.0, 287.0, 289.0, 294.0, 293.0, 291.0, 289.0, 290.0, 290.0, 291.0, 291.0, 290.0, 291.0, 292.0, 293.0, 295.0, 296.0, 296.0, 292.0, 297.0, 293.0, 293.0, 286.0, 292.0, 297.0, 299.0, 297.0, 286.0, 288.0, 290.0, 280.0)	294.5
045.0	(304.0, 295.0, 300.0, 296.0, 305.0, 294.0, 304.0, 309.0, 297.0, 304.0, 293.0, 296.0, 303.0, 302.0, 303.0, 299.0, 293.0, 293.0, 289.0, 287.0, 287.0, 287.0, 288.0, 299.0, 293.0, 288.0, 288.0, 295.0, 292.0, 292.0, 293.0, 294.0, 293.0, 292.0, 295.0, 296.0, 292.0, 292.0, 292.0, 293.0, 293.0, 290.0, 289.0, 288.0, 288.0, 291.0, 299.0, 290.0, 286.0, 287.0, 274.0)	293.6
046.0	(300.0, 296.0, 301.0, 297.0, 303.0, 295.0, 303.0, 309.0, 293.0, 298.0, 299.0, 294.0, 303.0, 297.0, 300.0, 298.0, 295.0, 293.0, 289.0, 288.0, 288.0, 287.0, 287.0, 287.0, 287.0, 287.0, 287.0, 287.0, 296.0, 288.0, 295.0, 295.0, 293.0, 294.0, 294.0, 296.0, 292.0, 293.0, 294.0, 293.0, 292.0, 290.0, 297.0, 286.0, 285.0, 284.0, 296.0, 294.0, 292.0, 282.0, 274.0)	292.9
047.0	(299.0, 299.0, 302.0, 298.0, 302.0, 298.0, 304.0, 301.0, 297.0, 289.0, 288.0, 294.0, 299.0, 294.0, 297.0, 298.0, 291.0, 294.0, 294.0, 291.0, 294.0, 291.0, 288.0, 287.0, 287.0, 287.0, 296.0, 301.0, 298.0, 301.0, 295.0, 296.0, 293.0, 294.0, 293.0, 292.0, 293.0, 293.0, 294.0, 295.0, 291.0, 292.0, 294.0, 294.0, 292.0, 274.0, 282.0, 296.0, 293.0, 277.0, 274.0)	293.1

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
-----	-----	-----
048.0	(299.0, 301.0, 302.0, 299.0, 301.0, 300.0, 303.0, 297.0, 304.0, 289.0, 286.0, 297.0, 293.0, 294.0, 295.0, 295.0, 290.0, 296.0, 298.0, 294.0, 299.0, 297.0, 298.0, 297.0, 301.0, 302.0, 299.0, 301.0, 298.0, 303.0, 295.0, 296.0, 292.0, 295.0, 291.0, 290.0, 293.0, 294.0, 293.0, 296.0, 293.0, 285.0, 286.0, 292.0, 282.0, 278.0, 273.0, 277.0, 275.0, 283.0, 279.0)	293.3
049.0	(301.0, 304.0, 305.0, 299.0, 299.0, 299.0, 294.0, 296.0, 304.0, 290.0, 283.0, 301.0, 292.0, 293.0, 291.0, 294.0, 294.0, 298.0, 297.0, 294.0, 299.0, 299.0, 295.0, 302.0, 305.0, 303.0, 298.0, 301.0, 301.0, 303.0, 295.0, 302.0, 299.0, 293.0, 295.0, 295.0, 294.0, 301.0, 299.0, 295.0, 294.0, 289.0, 289.0, 289.0, 286.0, 281.0, 275.0, 283.0, 279.0, 284.0, 291.0)	294.8
050.0	(302.0, 305.0, 304.0, 300.0, 299.0, 291.0, 288.0, 293.0, 297.0, 292.0, 286.0, 300.0, 293.0, 292.0, 290.0, 295.0, 298.0, 295.0, 298.0, 300.0, 304.0, 303.0, 301.0, 302.0, 307.0, 302.0, 298.0, 297.0, 299.0, 302.0, 298.0, 301.0, 301.0, 292.0, 295.0, 296.0, 298.0, 296.0, 295.0, 298.0, 299.0, 295.0, 292.0, 288.0, 278.0, 282.0, 285.0, 287.0, 289.0, 287.0, 292.0)	295.5
051.0	(302.0, 304.0, 302.0, 302.0, 299.0, 287.0, 285.0, 287.0, 293.0, 292.0, 286.0, 299.0, 294.0, 289.0, 289.0, 293.0, 294.0, 293.0, 297.0, 297.0, 300.0, 297.0, 302.0, 303.0, 304.0, 300.0, 301.0, 298.0, 303.0, 303.0, 299.0, 299.0, 293.0, 292.0, 295.0, 294.0, 296.0, 294.0, 294.0, 297.0, 297.0, 293.0, 284.0, 277.0, 273.0, 274.0, 280.0, 290.0, 290.0, 293.0, 289.0)	293.7
052.0	(301.0, 304.0, 298.0, 303.0, 298.0, 286.0, 290.0, 287.0, 286.0, 289.0, 289.0, 294.0, 292.0, 291.0, 294.0, 294.0, 293.0, 296.0, 298.0, 299.0, 301.0, 297.0, 303.0, 304.0, 300.0, 302.0, 299.0, 298.0, 300.0, 302.0, 302.0, 295.0, 293.0, 292.0, 299.0, 294.0, 298.0, 296.0, 291.0, 288.0, 293.0, 284.0, 275.0, 285.0, 276.0, 279.0, 287.0, 288.0, 291.0, 293.0, 293.0)	293.6
053.0	(302.0, 300.0, 299.0, 302.0, 300.0, 287.0, 295.0, 299.0, 291.0, 294.0, 291.0, 289.0, 290.0, 289.0, 295.0, 300.0, 297.0, 295.0, 296.0, 302.0, 298.0, 300.0, 303.0, 303.0, 301.0, 305.0, 299.0, 299.0, 300.0, 302.0, 295.0, 293.0, 290.0, 294.0, 298.0, 293.0, 295.0, 294.0, 290.0, 293.0, 283.0, 277.0, 274.0, 291.0, 280.0, 286.0, 284.0, 283.0, 293.0, 295.0, 296.0)	294.0

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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054.0	(299.0, 299.0, 299.0, 302.0, 303.0, 290.0, 297.0, 305.0, 299.0, 294.0, 293.0, 288.0, 289.0, 288.0, 297.0, 301.0, 299.0, 297.0, 297.0, 297.0, 296.0, 303.0, 303.0, 302.0, 302.0, 303.0, 297.0, 301.0, 298.0, 299.0, 298.0, 295.0, 290.0, 292.0, 294.0, 293.0, 292.0, 284.0, 284.0, 279.0, 278.0, 278.0, 282.0, 289.0, 287.0, 283.0, 284.0, 285.0, 286.0, 288.0, 285.0)	293.3
055.0	(300.0, 301.0, 299.0, 301.0, 305.0, 295.0, 295.0, 303.0, 297.0, 287.0, 290.0, 291.0, 288.0, 287.0, 293.0, 298.0, 297.0, 295.0, 292.0, 293.0, 298.0, 302.0, 304.0, 303.0, 299.0, 302.0, 304.0, 302.0, 296.0, 299.0, 292.0, 289.0, 286.0, 290.0, 279.0, 277.0, 279.0, 289.0, 289.0, 284.0, 277.0, 283.0, 285.0, 287.0, 290.0, 284.0, 284.0, 286.0, 286.0, 292.0, 290.0)	292.3
056.0	(301.0, 300.0, 296.0, 300.0, 305.0, 301.0, 292.0, 294.0, 296.0, 290.0, 295.0, 296.0, 289.0, 282.0, 288.0, 287.0, 292.0, 295.0, 289.0, 296.0, 302.0, 304.0, 307.0, 301.0, 298.0, 303.0, 302.0, 303.0, 293.0, 291.0, 289.0, 286.0, 280.0, 277.0, 276.0, 276.0, 280.0, 289.0, 290.0, 286.0, 289.0, 285.0, 283.0, 288.0, 285.0, 283.0, 289.0, 289.0, 289.0, 287.0, 286.0)	291.4
057.0	(298.0, 298.0, 297.0, 300.0, 303.0, 302.0, 294.0, 283.0, 301.0, 299.0, 292.0, 295.0, 290.0, 281.0, 283.0, 285.0, 276.0, 292.0, 293.0, 299.0, 305.0, 309.0, 309.0, 297.0, 297.0, 302.0, 301.0, 303.0, 296.0, 288.0, 286.0, 285.0, 280.0, 277.0, 276.0, 286.0, 289.0, 289.0, 286.0, 290.0, 283.0, 283.0, 285.0, 286.0, 286.0, 289.0, 289.0, 285.0, 286.0, 286.0, 289.0)	291.2
058.0	(298.0, 298.0, 298.0, 300.0, 301.0, 302.0, 300.0, 284.0, 304.0, 305.0, 296.0, 292.0, 285.0, 282.0, 282.0, 282.0, 277.0, 291.0, 296.0, 297.0, 307.0, 310.0, 307.0, 298.0, 295.0, 299.0, 303.0, 296.0, 291.0, 285.0, 284.0, 280.0, 280.0, 278.0, 285.0, 286.0, 285.0, 287.0, 283.0, 282.0, 283.0, 283.0, 283.0, 287.0, 283.0, 287.0, 285.0, 286.0, 287.0, 286.0, 290.0)	290.7
059.0	(300.0, 300.0, 296.0, 297.0, 299.0, 302.0, 299.0, 297.0, 305.0, 305.0, 304.0, 302.0, 285.0, 282.0, 282.0, 281.0, 281.0, 285.0, 292.0, 303.0, 310.0, 310.0, 303.0, 289.0, 287.0, 295.0, 290.0, 289.0, 282.0, 277.0, 282.0, 286.0, 286.0, 287.0, 291.0, 280.0, 282.0, 282.0, 282.0, 282.0, 283.0, 284.0, 283.0, 283.0, 283.0, 284.0, 287.0, 288.0, 287.0, 286.0, 287.0)	290.1

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
-----	-----	-----
060.0	(302.0, 301.0, 294.0, 295.0, 299.0, 301.0, 299.0, 299.0, 305.0, 305.0, 309.0, 306.0, 299.0, 293.0, 282.0, 281.0, 281.0, 289.0, 289.0, 300.0, 307.0, 305.0, 285.0, 284.0, 276.0, 280.0, 279.0, 282.0, 280.0, 282.0, 285.0, 283.0, 286.0, 289.0, 283.0, 279.0, 280.0, 279.0, 283.0, 286.0, 289.0, 294.0, 285.0, 288.0, 289.0, 289.0, 289.0, 290.0, 291.0, 289.0, 285.0)	290.0
061.0	(301.0, 298.0, 292.0, 299.0, 297.0, 300.0, 298.0, 300.0, 304.0, 303.0, 308.0, 307.0, 305.0, 299.0, 290.0, 283.0, 283.0, 288.0, 286.0, 293.0, 295.0, 289.0, 280.0, 279.0, 276.0, 280.0, 282.0, 280.0, 284.0, 283.0, 283.0, 283.0, 285.0, 286.0, 280.0, 279.0, 281.0, 280.0, 290.0, 289.0, 294.0, 294.0, 290.0, 286.0, 292.0, 290.0, 289.0, 290.0, 292.0, 297.0, 289.0)	290.0
062.0	(301.0, 295.0, 293.0, 301.0, 294.0, 300.0, 296.0, 300.0, 304.0, 303.0, 308.0, 307.0, 306.0, 301.0, 298.0, 290.0, 295.0, 294.0, 297.0, 293.0, 285.0, 287.0, 279.0, 277.0, 276.0, 277.0, 277.0, 282.0, 283.0, 283.0, 280.0, 282.0, 283.0, 284.0, 284.0, 283.0, 279.0, 288.0, 283.0, 287.0, 288.0, 289.0, 289.0, 287.0, 289.0, 298.0, 292.0, 289.0, 290.0, 290.0, 289.0)	290.1
063.0	(304.0, 297.0, 294.0, 301.0, 294.0, 299.0, 295.0, 299.0, 303.0, 306.0, 309.0, 307.0, 304.0, 299.0, 297.0, 297.0, 302.0, 301.0, 306.0, 307.0, 279.0, 283.0, 282.0, 279.0, 275.0, 275.0, 279.0, 278.0, 279.0, 279.0, 280.0, 281.0, 281.0, 285.0, 284.0, 283.0, 281.0, 285.0, 286.0, 290.0, 292.0, 297.0, 289.0, 292.0, 291.0, 302.0, 292.0, 292.0, 292.0, 288.0, 289.0)	291.1
064.0	(304.0, 298.0, 295.0, 295.0, 293.0, 299.0, 297.0, 299.0, 301.0, 307.0, 308.0, 305.0, 303.0, 298.0, 298.0, 298.0, 297.0, 303.0, 301.0, 292.0, 284.0, 285.0, 277.0, 276.0, 275.0, 276.0, 281.0, 282.0, 284.0, 281.0, 279.0, 279.0, 278.0, 280.0, 282.0, 292.0, 298.0, 292.0, 283.0, 287.0, 285.0, 288.0, 288.0, 294.0, 297.0, 299.0, 289.0, 287.0, 287.0, 286.0, 285.0)	290.5
065.0	(303.0, 297.0, 294.0, 292.0, 295.0, 297.0, 299.0, 299.0, 301.0, 307.0, 304.0, 301.0, 305.0, 300.0, 296.0, 301.0, 299.0, 302.0, 300.0, 299.0, 295.0, 278.0, 277.0, 276.0, 285.0, 282.0, 286.0, 282.0, 283.0, 284.0, 280.0, 278.0, 280.0, 293.0, 297.0, 298.0, 301.0, 292.0, 285.0, 285.0, 285.0, 286.0, 287.0, 295.0, 294.0, 294.0, 291.0, 289.0, 288.0, 286.0, 284.0)	291.7

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
-----	-----	-----
066.0	(302.0, 296.0, 292.0, 291.0, 300.0, 297.0, 298.0, 298.0, 301.0, 306.0, 303.0, 305.0, 301.0, 306.0, 293.0, 302.0, 300.0, 302.0, 304.0, 304.0, 301.0, 276.0, 276.0, 279.0, 279.0, 283.0, 282.0, 283.0, 284.0, 280.0, 280.0, 280.0, 289.0, 293.0, 297.0, 297.0, 299.0, 299.0, 295.0, 296.0, 294.0, 287.0, 290.0, 289.0, 294.0, 287.0, 292.0, 292.0, 290.0, 290.0, 285.0)	292.7
067.0	(302.0, 295.0, 292.0, 293.0, 300.0, 297.0, 297.0, 298.0, 301.0, 305.0, 302.0, 304.0, 301.0, 304.0, 293.0, 306.0, 300.0, 304.0, 307.0, 312.0, 277.0, 275.0, 278.0, 279.0, 279.0, 282.0, 283.0, 284.0, 281.0, 284.0, 290.0, 289.0, 293.0, 289.0, 294.0, 299.0, 301.0, 297.0, 302.0, 300.0, 300.0, 292.0, 291.0, 285.0, 286.0, 279.0, 287.0, 287.0, 286.0, 289.0, 286.0)	292.7
068.0	(302.0, 295.0, 291.0, 295.0, 298.0, 299.0, 297.0, 296.0, 302.0, 304.0, 303.0, 298.0, 302.0, 301.0, 295.0, 295.0, 299.0, 305.0, 306.0, 298.0, 275.0, 275.0, 280.0, 281.0, 279.0, 280.0, 286.0, 285.0, 285.0, 290.0, 298.0, 298.0, 301.0, 297.0, 298.0, 302.0, 301.0, 297.0, 303.0, 309.0, 301.0, 294.0, 292.0, 288.0, 281.0, 281.0, 281.0, 286.0, 287.0, 286.0, 285.0)	293.2
069.0	(302.0, 294.0, 294.0, 292.0, 294.0, 299.0, 299.0, 294.0, 301.0, 303.0, 303.0, 299.0, 302.0, 303.0, 301.0, 299.0, 301.0, 305.0, 304.0, 288.0, 276.0, 276.0, 281.0, 285.0, 279.0, 281.0, 290.0, 286.0, 289.0, 296.0, 305.0, 303.0, 300.0, 299.0, 301.0, 298.0, 296.0, 296.0, 306.0, 310.0, 296.0, 294.0, 296.0, 299.0, 294.0, 280.0, 277.0, 277.0, 276.0, 285.0, 289.0)	293.8
070.0	(301.0, 295.0, 294.0, 290.0, 295.0, 298.0, 298.0, 294.0, 301.0, 302.0, 303.0, 302.0, 302.0, 303.0, 300.0, 297.0, 299.0, 300.0, 303.0, 290.0, 275.0, 276.0, 279.0, 287.0, 293.0, 291.0, 295.0, 291.0, 288.0, 295.0, 305.0, 301.0, 297.0, 292.0, 292.0, 297.0, 296.0, 301.0, 298.0, 299.0, 302.0, 294.0, 299.0, 301.0, 293.0, 293.0, 280.0, 280.0, 278.0, 279.0, 287.0)	294.0
071.0	(301.0, 296.0, 296.0, 291.0, 295.0, 298.0, 298.0, 296.0, 299.0, 302.0, 303.0, 302.0, 305.0, 301.0, 299.0, 293.0, 299.0, 298.0, 288.0, 288.0, 279.0, 278.0, 278.0, 297.0, 297.0, 296.0, 292.0, 296.0, 290.0, 293.0, 296.0, 295.0, 292.0, 295.0, 294.0, 297.0, 298.0, 296.0, 301.0, 300.0, 304.0, 305.0, 308.0, 308.0, 303.0, 292.0, 283.0, 280.0, 274.0, 274.0, 274.0)	294.2

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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072.0	(300.0, 297.0, 298.0, 297.0, 297.0, 298.0, 299.0, 301.0, 300.0, 301.0, 302.0, 304.0, 307.0, 300.0, 297.0, 293.0, 294.0, 293.0, 279.0, 283.0, 279.0, 279.0, 278.0, 299.0, 296.0, 285.0, 293.0, 291.0, 289.0, 294.0, 295.0, 295.0, 287.0, 289.0, 289.0, 296.0, 299.0, 301.0, 301.0, 302.0, 304.0, 299.0, 301.0, 294.0, 288.0, 290.0, 280.0, 276.0, 274.0, 274.0, 274.0)	292.6
073.0	(299.0, 297.0, 295.0, 299.0, 299.0, 299.0, 291.0, 299.0, 299.0, 301.0, 298.0, 303.0, 303.0, 298.0, 292.0, 278.0, 291.0, 279.0, 276.0, 278.0, 279.0, 278.0, 278.0, 299.0, 296.0, 294.0, 292.0, 286.0, 289.0, 292.0, 290.0, 290.0, 286.0, 286.0, 287.0, 295.0, 298.0, 300.0, 301.0, 295.0, 281.0, 289.0, 278.0, 278.0, 278.0, 278.0, 277.0, 273.0, 276.0, 274.0, 274.0)	288.8
074.0	(299.0, 299.0, 293.0, 299.0, 299.0, 300.0, 293.0, 299.0, 300.0, 299.0, 299.0, 301.0, 301.0, 289.0, 288.0, 281.0, 295.0, 279.0, 278.0, 276.0, 278.0, 278.0, 278.0, 295.0, 288.0, 289.0, 289.0, 292.0, 292.0, 295.0, 294.0, 289.0, 286.0, 287.0, 289.0, 296.0, 297.0, 298.0, 298.0, 293.0, 289.0, 291.0, 290.0, 296.0, 281.0, 283.0, 284.0, 277.0, 276.0, 277.0, 282.0)	289.9
075.0	(298.0, 295.0, 291.0, 294.0, 298.0, 299.0, 295.0, 299.0, 300.0, 297.0, 299.0, 299.0, 295.0, 287.0, 296.0, 283.0, 282.0, 279.0, 279.0, 276.0, 287.0, 278.0, 289.0, 290.0, 301.0, 292.0, 292.0, 295.0, 300.0, 297.0, 297.0, 290.0, 285.0, 290.0, 288.0, 283.0, 281.0, 279.0, 280.0, 295.0, 292.0, 296.0, 292.0, 282.0, 276.0, 276.0, 276.0, 275.0, 278.0, 282.0, 281.0)	288.8
076.0	(295.0, 292.0, 284.0, 294.0, 294.0, 296.0, 295.0, 298.0, 301.0, 296.0, 299.0, 283.0, 292.0, 290.0, 298.0, 283.0, 282.0, 279.0, 285.0, 275.0, 278.0, 278.0, 287.0, 288.0, 302.0, 292.0, 295.0, 298.0, 298.0, 298.0, 293.0, 293.0, 288.0, 287.0, 287.0, 278.0, 281.0, 278.0, 282.0, 297.0, 288.0, 282.0, 281.0, 279.0, 280.0, 273.0, 275.0, 277.0, 281.0, 280.0, 281.0)	287.4
077.0	(297.0, 290.0, 282.0, 295.0, 290.0, 296.0, 294.0, 297.0, 300.0, 299.0, 300.0, 282.0, 300.0, 297.0, 300.0, 290.0, 283.0, 281.0, 281.0, 276.0, 281.0, 278.0, 282.0, 286.0, 301.0, 291.0, 293.0, 299.0, 298.0, 295.0, 287.0, 281.0, 278.0, 280.0, 279.0, 278.0, 288.0, 297.0, 285.0, 299.0, 286.0, 281.0, 296.0, 291.0, 286.0, 271.0, 280.0, 272.0, 277.0, 280.0, 279.0)	287.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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078.0	(299.0, 288.0, 289.0, 292.0, 295.0, 296.0, 292.0, 297.0, 299.0, 300.0, 298.0, 288.0, 300.0, 298.0, 300.0, 289.0, 280.0, 279.0, 283.0, 281.0, 280.0, 281.0, 285.0, 290.0, 300.0, 293.0, 293.0, 294.0, 292.0, 291.0, 286.0, 283.0, 281.0, 279.0, 282.0, 279.0, 293.0, 297.0, 295.0, 291.0, 286.0, 289.0, 290.0, 287.0, 272.0, 274.0, 274.0, 275.0, 278.0, 277.0, 277.0)	287.8
079.0	(301.0, 287.0, 293.0, 294.0, 295.0, 293.0, 292.0, 297.0, 299.0, 300.0, 291.0, 295.0, 298.0, 302.0, 302.0, 287.0, 280.0, 279.0, 280.0, 286.0, 279.0, 281.0, 283.0, 290.0, 297.0, 284.0, 295.0, 299.0, 293.0, 283.0, 284.0, 282.0, 282.0, 282.0, 277.0, 277.0, 285.0, 291.0, 290.0, 291.0, 290.0, 287.0, 284.0, 276.0, 270.0, 274.0, 275.0, 278.0, 278.0, 277.0, 277.0)	286.8
080.0	(302.0, 288.0, 288.0, 296.0, 295.0, 293.0, 294.0, 299.0, 299.0, 298.0, 284.0, 295.0, 299.0, 303.0, 292.0, 290.0, 279.0, 278.0, 281.0, 279.0, 279.0, 280.0, 285.0, 287.0, 286.0, 293.0, 301.0, 292.0, 287.0, 283.0, 281.0, 279.0, 277.0, 281.0, 279.0, 280.0, 283.0, 285.0, 281.0, 288.0, 285.0, 292.0, 285.0, 278.0, 274.0, 272.0, 274.0, 274.0, 281.0, 277.0, 276.0)	285.7
081.0	(301.0, 287.0, 287.0, 292.0, 287.0, 293.0, 297.0, 298.0, 298.0, 294.0, 283.0, 294.0, 300.0, 303.0, 278.0, 285.0, 279.0, 279.0, 280.0, 279.0, 279.0, 280.0, 282.0, 282.0, 279.0, 299.0, 310.0, 290.0, 289.0, 280.0, 283.0, 278.0, 276.0, 277.0, 280.0, 287.0, 288.0, 279.0, 280.0, 286.0, 290.0, 291.0, 289.0, 284.0, 274.0, 271.0, 274.0, 277.0, 278.0, 276.0, 275.0)	285.1
082.0	(300.0, 287.0, 288.0, 292.0, 290.0, 294.0, 297.0, 298.0, 294.0, 291.0, 290.0, 289.0, 299.0, 303.0, 278.0, 279.0, 279.0, 280.0, 280.0, 279.0, 280.0, 280.0, 280.0, 286.0, 279.0, 303.0, 298.0, 295.0, 280.0, 276.0, 278.0, 279.0, 277.0, 280.0, 282.0, 276.0, 282.0, 279.0, 279.0, 285.0, 288.0, 290.0, 284.0, 280.0, 270.0, 269.0, 269.0, 270.0, 280.0, 275.0, 276.0)	283.8
083.0	(299.0, 292.0, 282.0, 292.0, 291.0, 295.0, 294.0, 297.0, 294.0, 289.0, 294.0, 289.0, 296.0, 302.0, 278.0, 279.0, 279.0, 280.0, 279.0, 279.0, 279.0, 280.0, 287.0, 280.0, 280.0, 302.0, 299.0, 295.0, 277.0, 276.0, 277.0, 277.0, 277.0, 277.0, 278.0, 277.0, 282.0, 285.0, 289.0, 279.0, 291.0, 284.0, 286.0, 278.0, 271.0, 271.0, 269.0, 283.0, 292.0, 289.0, 282.0)	284.6

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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084.0	(299.0, 291.0, 287.0, 292.0, 292.0, 294.0, 292.0, 297.0, 290.0, 289.0, 294.0, 290.0, 297.0, 288.0, 289.0, 281.0, 280.0, 284.0, 280.0, 291.0, 279.0, 279.0, 283.0, 280.0, 279.0, 294.0, 290.0, 288.0, 277.0, 276.0, 275.0, 276.0, 276.0, 278.0, 276.0, 277.0, 282.0, 280.0, 285.0, 280.0, 275.0, 284.0, 278.0, 282.0, 276.0, 271.0, 274.0, 274.0, 288.0, 285.0, 290.0)	283.7
085.0	(300.0, 288.0, 295.0, 292.0, 293.0, 290.0, 293.0, 296.0, 289.0, 295.0, 295.0, 293.0, 298.0, 285.0, 282.0, 278.0, 289.0, 285.0, 289.0, 294.0, 281.0, 281.0, 280.0, 290.0, 280.0, 293.0, 297.0, 291.0, 279.0, 274.0, 275.0, 279.0, 280.0, 280.0, 280.0, 282.0, 282.0, 282.0, 287.0, 281.0, 274.0, 274.0, 277.0, 274.0, 292.0, 269.0, 279.0, 288.0, 291.0, 286.0, 284.0)	285.2
086.0	(300.0, 288.0, 295.0, 292.0, 293.0, 291.0, 293.0, 295.0, 287.0, 296.0, 292.0, 291.0, 292.0, 287.0, 278.0, 278.0, 290.0, 284.0, 290.0, 290.0, 290.0, 281.0, 287.0, 280.0, 281.0, 292.0, 299.0, 281.0, 275.0, 276.0, 277.0, 282.0, 276.0, 276.0, 277.0, 276.0, 276.0, 278.0, 284.0, 282.0, 280.0, 282.0, 274.0, 268.0, 268.0, 269.0, 272.0, 279.0, 289.0, 284.0, 275.0)	283.4
087.0	(299.0, 289.0, 296.0, 292.0, 294.0, 292.0, 292.0, 293.0, 285.0, 295.0, 287.0, 290.0, 288.0, 294.0, 278.0, 280.0, 280.0, 289.0, 289.0, 288.0, 288.0, 282.0, 278.0, 278.0, 278.0, 294.0, 284.0, 276.0, 276.0, 278.0, 276.0, 276.0, 275.0, 275.0, 277.0, 279.0, 286.0, 284.0, 277.0, 277.0, 276.0, 281.0, 283.0, 270.0, 269.0, 270.0, 282.0, 279.0, 286.0, 276.0, 268.0)	282.5
088.0	(298.0, 291.0, 295.0, 292.0, 294.0, 292.0, 293.0, 283.0, 291.0, 291.0, 287.0, 292.0, 287.0, 278.0, 278.0, 290.0, 281.0, 290.0, 289.0, 285.0, 287.0, 290.0, 280.0, 281.0, 284.0, 293.0, 283.0, 280.0, 282.0, 284.0, 277.0, 276.0, 275.0, 275.0, 276.0, 279.0, 283.0, 286.0, 283.0, 274.0, 273.0, 280.0, 273.0, 269.0, 269.0, 270.0, 277.0, 273.0, 282.0, 272.0, 277.0)	282.4
089.0	(298.0, 294.0, 293.0, 293.0, 294.0, 292.0, 293.0, 282.0, 285.0, 293.0, 290.0, 293.0, 278.0, 278.0, 278.0, 292.0, 291.0, 293.0, 290.0, 285.0, 287.0, 288.0, 284.0, 292.0, 287.0, 288.0, 289.0, 283.0, 284.0, 283.0, 276.0, 276.0, 277.0, 276.0, 277.0, 274.0, 279.0, 283.0, 281.0, 272.0, 272.0, 280.0, 273.0, 270.0, 271.0, 269.0, 280.0, 271.0, 274.0, 281.0, 275.0)	282.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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090.0	(299.0, 296.0, 293.0, 295.0, 294.0, 290.0, 292.0, 289.0, 284.0, 293.0, 292.0, 288.0, 280.0, 278.0, 278.0, 293.0, 292.0, 289.0, 292.0, 285.0, 286.0, 292.0, 292.0, 291.0, 289.0, 283.0, 286.0, 279.0, 287.0, 282.0, 275.0, 277.0, 279.0, 277.0, 280.0, 281.0, 281.0, 281.0, 274.0, 278.0, 271.0, 269.0, 274.0, 278.0, 279.0, 271.0, 271.0, 270.0, 290.0, 289.0, 278.0)	283.7
091.0	(297.0, 297.0, 296.0, 297.0, 295.0, 290.0, 293.0, 295.0, 289.0, 293.0, 288.0, 279.0, 280.0, 278.0, 279.0, 294.0, 290.0, 289.0, 291.0, 292.0, 287.0, 292.0, 289.0, 288.0, 286.0, 289.0, 290.0, 280.0, 286.0, 278.0, 276.0, 277.0, 280.0, 283.0, 276.0, 275.0, 274.0, 271.0, 275.0, 272.0, 270.0, 269.0, 271.0, 280.0, 291.0, 281.0, 269.0, 269.0, 270.0, 287.0, 286.0)	283.4
092.0	(297.0, 296.0, 299.0, 298.0, 295.0, 288.0, 294.0, 294.0, 283.0, 296.0, 281.0, 279.0, 277.0, 278.0, 285.0, 291.0, 290.0, 290.0, 290.0, 286.0, 289.0, 291.0, 289.0, 285.0, 285.0, 287.0, 285.0, 282.0, 286.0, 284.0, 277.0, 278.0, 282.0, 275.0, 276.0, 280.0, 274.0, 271.0, 273.0, 271.0, 270.0, 275.0, 282.0, 281.0, 270.0, 269.0, 271.0, 269.0, 270.0, 282.0, 294.0)	282.9
093.0	(297.0, 295.0, 298.0, 299.0, 293.0, 287.0, 291.0, 292.0, 281.0, 286.0, 279.0, 282.0, 278.0, 281.0, 286.0, 291.0, 289.0, 295.0, 291.0, 285.0, 287.0, 292.0, 294.0, 290.0, 286.0, 286.0, 281.0, 280.0, 288.0, 280.0, 284.0, 281.0, 277.0, 280.0, 276.0, 275.0, 274.0, 272.0, 271.0, 270.0, 269.0, 273.0, 284.0, 279.0, 271.0, 269.0, 271.0, 277.0, 271.0, 288.0, 280.0)	282.7
094.0	(296.0, 294.0, 297.0, 295.0, 288.0, 284.0, 286.0, 284.0, 287.0, 279.0, 278.0, 280.0, 280.0, 285.0, 288.0, 291.0, 286.0, 292.0, 290.0, 285.0, 287.0, 295.0, 291.0, 292.0, 287.0, 285.0, 284.0, 278.0, 281.0, 285.0, 281.0, 284.0, 278.0, 285.0, 277.0, 272.0, 270.0, 273.0, 270.0, 270.0, 270.0, 270.0, 274.0, 269.0, 269.0, 270.0, 274.0, 274.0, 275.0, 281.0, 283.0)	281.7
095.0	(293.0, 294.0, 295.0, 288.0, 281.0, 282.0, 283.0, 279.0, 283.0, 279.0, 283.0, 278.0, 285.0, 287.0, 289.0, 289.0, 287.0, 289.0, 288.0, 287.0, 293.0, 292.0, 289.0, 288.0, 285.0, 283.0, 282.0, 280.0, 289.0, 281.0, 285.0, 286.0, 281.0, 285.0, 274.0, 270.0, 268.0, 269.0, 270.0, 270.0, 274.0, 283.0, 287.0, 271.0, 280.0, 277.0, 273.0, 271.0, 275.0, 272.0, 278.0)	281.7

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
-----	-----	-----
096.0	(296.0, 293.0, 293.0, 280.0, 279.0, 280.0, 285.0, 279.0, 279.0, 285.0, 293.0, 282.0, 288.0, 288.0, 290.0, 286.0, 289.0, 291.0, 288.0, 291.0, 292.0, 291.0, 289.0, 288.0, 285.0, 282.0, 284.0, 278.0, 287.0, 289.0, 286.0, 286.0, 282.0, 276.0, 271.0, 270.0, 268.0, 269.0, 269.0, 269.0, 277.0, 290.0, 290.0, 294.0, 291.0, 276.0, 268.0, 271.0, 276.0, 270.0, 271.0)	282.5
097.0	(297.0, 292.0, 289.0, 279.0, 279.0, 280.0, 285.0, 279.0, 279.0, 290.0, 288.0, 293.0, 289.0, 288.0, 291.0, 288.0, 291.0, 288.0, 282.0, 291.0, 292.0, 291.0, 289.0, 284.0, 283.0, 280.0, 279.0, 280.0, 288.0, 292.0, 292.0, 284.0, 283.0, 274.0, 270.0, 271.0, 277.0, 270.0, 271.0, 269.0, 270.0, 288.0, 296.0, 292.0, 285.0, 276.0, 267.0, 270.0, 271.0, 267.0, 272.0)	282.3
098.0	(298.0, 294.0, 283.0, 279.0, 283.0, 280.0, 283.0, 283.0, 279.0, 280.0, 283.0, 297.0, 292.0, 290.0, 291.0, 292.0, 292.0, 284.0, 282.0, 290.0, 293.0, 291.0, 279.0, 279.0, 278.0, 283.0, 284.0, 282.0, 278.0, 287.0, 292.0, 287.0, 286.0, 277.0, 281.0, 280.0, 275.0, 270.0, 271.0, 270.0, 269.0, 271.0, 279.0, 287.0, 279.0, 276.0, 265.0, 267.0, 275.0, 273.0, 268.0)	281.4
099.0	(298.0, 295.0, 279.0, 279.0, 281.0, 279.0, 279.0, 279.0, 280.0, 280.0, 294.0, 298.0, 291.0, 290.0, 290.0, 294.0, 285.0, 284.0, 282.0, 289.0, 293.0, 295.0, 280.0, 279.0, 280.0, 284.0, 285.0, 285.0, 279.0, 295.0, 290.0, 284.0, 291.0, 283.0, 282.0, 286.0, 277.0, 270.0, 271.0, 274.0, 269.0, 271.0, 276.0, 287.0, 276.0, 283.0, 268.0, 268.0, 271.0, 272.0, 266.0)	282.0
100.0	(298.0, 296.0, 279.0, 279.0, 279.0, 279.0, 279.0, 279.0, 280.0, 288.0, 301.0, 295.0, 292.0, 290.0, 292.0, 294.0, 284.0, 287.0, 285.0, 286.0, 296.0, 280.0, 282.0, 280.0, 280.0, 285.0, 285.0, 280.0, 284.0, 297.0, 299.0, 288.0, 294.0, 277.0, 280.0, 289.0, 280.0, 271.0, 269.0, 270.0, 269.0, 271.0, 278.0, 281.0, 281.0, 281.0, 271.0, 266.0, 264.0, 265.0, 265.0)	282.0
101.0	(297.0, 295.0, 279.0, 279.0, 279.0, 279.0, 279.0, 279.0, 279.0, 279.0, 295.0, 299.0, 292.0, 291.0, 288.0, 291.0, 291.0, 288.0, 288.0, 286.0, 287.0, 292.0, 283.0, 282.0, 280.0, 281.0, 283.0, 285.0, 285.0, 287.0, 294.0, 294.0, 287.0, 286.0, 287.0, 285.0, 284.0, 277.0, 275.0, 270.0, 270.0, 271.0, 271.0, 279.0, 283.0, 284.0, 295.0, 281.0, 276.0, 268.0, 264.0, 264.0)	282.9

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
-----	-----	-----
102.0	(296.0, 295.0, 279.0, 279.0, 279.0, 279.0, 279.0, 279.0, 280.0, 290.0, 295.0, 288.0, 289.0, 288.0, 290.0, 293.0, 290.0, 288.0, 286.0, 293.0, 284.0, 280.0, 280.0, 280.0, 280.0, 284.0, 286.0, 283.0, 293.0, 293.0, 286.0, 289.0, 294.0, 290.0, 286.0, 281.0, 283.0, 271.0, 271.0, 268.0, 270.0, 270.0, 281.0, 285.0, 283.0, 281.0, 281.0, 279.0, 270.0, 265.0, 273.0)	282.8
103.0	(294.0, 295.0, 279.0, 279.0, 279.0, 279.0, 279.0, 279.0, 281.0, 286.0, 289.0, 287.0, 289.0, 287.0, 287.0, 292.0, 289.0, 286.0, 286.0, 286.0, 283.0, 280.0, 280.0, 280.0, 284.0, 280.0, 280.0, 279.0, 283.0, 283.0, 283.0, 291.0, 287.0, 297.0, 295.0, 277.0, 280.0, 276.0, 271.0, 269.0, 268.0, 268.0, 272.0, 283.0, 276.0, 272.0, 268.0, 271.0, 284.0, 280.0, 271.0)	281.3
104.0	(291.0, 293.0, 279.0, 279.0, 279.0, 279.0, 279.0, 279.0, 282.0, 287.0, 289.0, 291.0, 288.0, 288.0, 287.0, 292.0, 288.0, 287.0, 286.0, 284.0, 285.0, 279.0, 280.0, 280.0, 283.0, 282.0, 284.0, 283.0, 284.0, 279.0, 287.0, 275.0, 290.0, 289.0, 281.0, 280.0, 280.0, 283.0, 268.0, 271.0, 270.0, 268.0, 275.0, 271.0, 270.0, 270.0, 270.0, 273.0, 273.0, 274.0, 265.0)	280.4
105.0	(291.0, 293.0, 279.0, 279.0, 279.0, 279.0, 279.0, 279.0, 283.0, 287.0, 292.0, 291.0, 287.0, 286.0, 289.0, 289.0, 289.0, 284.0, 285.0, 285.0, 279.0, 280.0, 280.0, 280.0, 282.0, 283.0, 284.0, 283.0, 284.0, 285.0, 286.0, 284.0, 289.0, 285.0, 286.0, 282.0, 295.0, 291.0, 270.0, 275.0, 269.0, 279.0, 277.0, 270.0, 275.0, 272.0, 283.0, 272.0, 278.0, 282.0, 280.0)	282.3
106.0	(291.0, 289.0, 279.0, 279.0, 279.0, 279.0, 279.0, 279.0, 284.0, 292.0, 293.0, 291.0, 286.0, 287.0, 289.0, 289.0, 288.0, 284.0, 283.0, 285.0, 280.0, 285.0, 283.0, 280.0, 281.0, 285.0, 287.0, 283.0, 282.0, 285.0, 285.0, 286.0, 286.0, 287.0, 286.0, 287.0, 295.0, 287.0, 269.0, 282.0, 275.0, 278.0, 281.0, 284.0, 278.0, 282.0, 283.0, 279.0, 280.0, 279.0, 286.0)	283.6
107.0	(290.0, 290.0, 279.0, 280.0, 279.0, 279.0, 279.0, 280.0, 286.0, 293.0, 294.0, 294.0, 286.0, 289.0, 283.0, 287.0, 287.0, 284.0, 282.0, 281.0, 282.0, 289.0, 283.0, 280.0, 280.0, 284.0, 287.0, 283.0, 283.0, 284.0, 285.0, 286.0, 286.0, 287.0, 283.0, 282.0, 272.0, 276.0, 271.0, 287.0, 285.0, 283.0, 282.0, 277.0, 281.0, 286.0, 281.0, 286.0, 285.0, 278.0, 286.0)	283.4

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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108.0	(291.0, 291.0, 281.0, 281.0, 279.0, 279.0, 279.0, 285.0, 282.0, 284.0, 289.0, 290.0, 286.0, 295.0, 287.0, 285.0, 284.0, 280.0, 283.0, 280.0, 281.0, 287.0, 285.0, 280.0, 281.0, 282.0, 280.0, 283.0, 285.0, 285.0, 283.0, 285.0, 285.0, 281.0, 280.0, 273.0, 269.0, 268.0, 271.0, 271.0, 280.0, 290.0, 284.0, 279.0, 275.0, 289.0, 280.0, 287.0, 277.0, 288.0, 287.0)	282.2
109.0	(290.0, 284.0, 286.0, 282.0, 279.0, 279.0, 280.0, 288.0, 282.0, 287.0, 288.0, 291.0, 285.0, 292.0, 286.0, 281.0, 284.0, 282.0, 284.0, 281.0, 280.0, 285.0, 284.0, 280.0, 281.0, 276.0, 281.0, 282.0, 285.0, 286.0, 283.0, 282.0, 286.0, 280.0, 277.0, 267.0, 269.0, 269.0, 270.0, 270.0, 273.0, 288.0, 287.0, 283.0, 272.0, 280.0, 272.0, 283.0, 288.0, 292.0, 284.0)	281.5
110.0	(291.0, 280.0, 283.0, 281.0, 280.0, 279.0, 283.0, 289.0, 282.0, 282.0, 290.0, 289.0, 286.0, 289.0, 281.0, 280.0, 284.0, 282.0, 285.0, 284.0, 279.0, 280.0, 284.0, 284.0, 277.0, 276.0, 280.0, 282.0, 285.0, 286.0, 280.0, 280.0, 280.0, 277.0, 270.0, 268.0, 268.0, 270.0, 276.0, 274.0, 271.0, 281.0, 278.0, 284.0, 274.0, 272.0, 270.0, 287.0, 290.0, 281.0, 279.0)	280.2
111.0	(287.0, 282.0, 283.0, 282.0, 286.0, 293.0, 285.0, 290.0, 284.0, 283.0, 287.0, 288.0, 285.0, 290.0, 279.0, 282.0, 286.0, 284.0, 282.0, 284.0, 279.0, 279.0, 288.0, 281.0, 276.0, 275.0, 279.0, 287.0, 280.0, 283.0, 276.0, 278.0, 278.0, 275.0, 268.0, 271.0, 270.0, 273.0, 275.0, 272.0, 271.0, 285.0, 277.0, 278.0, 275.0, 271.0, 271.0, 271.0, 274.0, 287.0, 288.0)	280.1
112.0	(286.0, 287.0, 283.0, 282.0, 295.0, 296.0, 285.0, 289.0, 289.0, 282.0, 285.0, 289.0, 287.0, 283.0, 283.0, 283.0, 283.0, 284.0, 280.0, 285.0, 274.0, 278.0, 285.0, 278.0, 273.0, 274.0, 276.0, 281.0, 283.0, 279.0, 279.0, 279.0, 272.0, 266.0, 266.0, 272.0, 270.0, 274.0, 273.0, 270.0, 276.0, 281.0, 281.0, 276.0, 277.0, 274.0, 269.0, 269.0, 269.0, 278.0, 284.0)	279.3
113.0	(289.0, 290.0, 282.0, 283.0, 295.0, 298.0, 287.0, 286.0, 288.0, 283.0, 283.0, 288.0, 287.0, 280.0, 283.0, 283.0, 285.0, 287.0, 285.0, 281.0, 279.0, 281.0, 292.0, 273.0, 272.0, 275.0, 277.0, 282.0, 282.0, 278.0, 277.0, 280.0, 269.0, 266.0, 266.0, 277.0, 277.0, 274.0, 274.0, 274.0, 279.0, 277.0, 275.0, 282.0, 283.0, 274.0, 274.0, 277.0, 269.0, 269.0, 278.0)	279.9

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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114.0	(291.0, 291.0, 281.0, 283.0, 295.0, 297.0, 288.0, 286.0, 287.0, 283.0, 280.0, 287.0, 286.0, 282.0, 280.0, 280.0, 283.0, 283.0, 279.0, 270.0, 278.0, 283.0, 289.0, 272.0, 273.0, 277.0, 276.0, 282.0, 280.0, 277.0, 279.0, 275.0, 266.0, 269.0, 270.0, 277.0, 278.0, 277.0, 274.0, 275.0, 276.0, 276.0, 280.0, 287.0, 287.0, 276.0, 286.0, 270.0, 270.0, 290.0, 273.0)	280.0
115.0	(288.0, 291.0, 282.0, 283.0, 295.0, 297.0, 291.0, 286.0, 284.0, 283.0, 279.0, 285.0, 283.0, 291.0, 281.0, 281.0, 283.0, 281.0, 274.0, 271.0, 286.0, 281.0, 281.0, 272.0, 277.0, 280.0, 277.0, 280.0, 280.0, 274.0, 269.0, 266.0, 266.0, 278.0, 278.0, 280.0, 274.0, 274.0, 275.0, 273.0, 272.0, 277.0, 280.0, 284.0, 287.0, 286.0, 286.0, 277.0, 287.0, 287.0, 279.0)	280.5
116.0	(286.0, 293.0, 283.0, 283.0, 292.0, 293.0, 292.0, 284.0, 283.0, 283.0, 281.0, 284.0, 283.0, 286.0, 279.0, 282.0, 284.0, 282.0, 271.0, 281.0, 286.0, 281.0, 275.0, 274.0, 280.0, 280.0, 280.0, 278.0, 280.0, 269.0, 266.0, 266.0, 271.0, 279.0, 279.0, 280.0, 283.0, 276.0, 272.0, 274.0, 273.0, 279.0, 282.0, 284.0, 278.0, 280.0, 281.0, 282.0, 276.0, 282.0, 282.0)	280.1
117.0	(286.0, 292.0, 293.0, 282.0, 287.0, 288.0, 293.0, 286.0, 282.0, 283.0, 281.0, 281.0, 283.0, 283.0, 279.0, 287.0, 279.0, 281.0, 270.0, 275.0, 287.0, 283.0, 282.0, 279.0, 281.0, 280.0, 280.0, 277.0, 269.0, 267.0, 278.0, 269.0, 269.0, 274.0, 277.0, 277.0, 279.0, 276.0, 277.0, 283.0, 280.0, 274.0, 276.0, 287.0, 282.0, 284.0, 280.0, 285.0, 280.0, 280.0, 275.0)	280.2
118.0	(285.0, 287.0, 293.0, 283.0, 284.0, 283.0, 294.0, 283.0, 283.0, 283.0, 280.0, 279.0, 283.0, 283.0, 282.0, 282.0, 285.0, 283.0, 275.0, 271.0, 287.0, 283.0, 283.0, 282.0, 279.0, 279.0, 278.0, 272.0, 266.0, 268.0, 271.0, 271.0, 271.0, 274.0, 277.0, 280.0, 279.0, 281.0, 278.0, 279.0, 278.0, 276.0, 272.0, 280.0, 270.0, 282.0, 286.0, 277.0, 278.0, 285.0, 278.0)	279.5
119.0	(289.0, 288.0, 288.0, 292.0, 286.0, 282.0, 292.0, 283.0, 285.0, 283.0, 282.0, 280.0, 289.0, 295.0, 293.0, 285.0, 279.0, 283.0, 279.0, 270.0, 284.0, 282.0, 283.0, 278.0, 277.0, 279.0, 276.0, 268.0, 268.0, 271.0, 275.0, 268.0, 272.0, 275.0, 283.0, 274.0, 282.0, 282.0, 278.0, 279.0, 283.0, 279.0, 274.0, 269.0, 270.0, 270.0, 270.0, 275.0, 282.0, 283.0, 272.0)	279.5

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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120.0	(293.0, 289.0, 287.0, 293.0, 282.0, 282.0, 293.0, 285.0, 286.0, 283.0, 286.0, 277.0, 289.0, 295.0, 293.0, 285.0, 281.0, 283.0, 277.0, 268.0, 284.0, 279.0, 280.0, 275.0, 274.0, 276.0, 268.0, 276.0, 266.0, 269.0, 269.0, 273.0, 276.0, 278.0, 271.0, 271.0, 280.0, 280.0, 282.0, 286.0, 278.0, 278.0, 276.0, 284.0, 272.0, 268.0, 268.0, 278.0, 273.0, 280.0, 271.0)	279.1
121.0	(294.0, 288.0, 286.0, 290.0, 282.0, 286.0, 293.0, 290.0, 287.0, 284.0, 287.0, 278.0, 279.0, 289.0, 288.0, 287.0, 284.0, 278.0, 275.0, 266.0, 281.0, 280.0, 286.0, 271.0, 271.0, 267.0, 274.0, 277.0, 270.0, 270.0, 268.0, 275.0, 283.0, 274.0, 272.0, 276.0, 280.0, 283.0, 287.0, 286.0, 280.0, 278.0, 276.0, 287.0, 286.0, 271.0, 271.0, 285.0, 282.0, 271.0, 266.0)	279.6
122.0	(289.0, 285.0, 285.0, 288.0, 288.0, 287.0, 290.0, 290.0, 287.0, 281.0, 286.0, 277.0, 278.0, 276.0, 281.0, 284.0, 282.0, 276.0, 269.0, 267.0, 275.0, 274.0, 281.0, 263.0, 267.0, 277.0, 272.0, 275.0, 272.0, 266.0, 269.0, 273.0, 278.0, 270.0, 276.0, 281.0, 281.0, 282.0, 283.0, 283.0, 280.0, 278.0, 281.0, 277.0, 279.0, 274.0, 273.0, 285.0, 273.0, 266.0, 265.0)	277.7
123.0	(291.0, 289.0, 286.0, 284.0, 283.0, 286.0, 292.0, 289.0, 285.0, 282.0, 285.0, 277.0, 276.0, 278.0, 280.0, 281.0, 273.0, 277.0, 263.0, 266.0, 275.0, 275.0, 264.0, 261.0, 271.0, 280.0, 277.0, 267.0, 278.0, 273.0, 266.0, 269.0, 275.0, 274.0, 270.0, 278.0, 272.0, 270.0, 270.0, 277.0, 284.0, 279.0, 280.0, 275.0, 273.0, 268.0, 270.0, 284.0, 266.0, 266.0, 269.0)	275.8
124.0	(293.0, 292.0, 287.0, 282.0, 281.0, 284.0, 293.0, 289.0, 287.0, 283.0, 279.0, 277.0, 276.0, 277.0, 281.0, 282.0, 273.0, 281.0, 264.0, 276.0, 275.0, 264.0, 266.0, 270.0, 280.0, 275.0, 274.0, 270.0, 273.0, 274.0, 271.0, 267.0, 272.0, 272.0, 271.0, 278.0, 272.0, 274.0, 275.0, 273.0, 274.0, 279.0, 274.0, 274.0, 267.0, 265.0, 272.0, 280.0, 266.0, 269.0, 274.0)	275.7
125.0	(293.0, 283.0, 286.0, 281.0, 281.0, 289.0, 291.0, 290.0, 289.0, 283.0, 280.0, 277.0, 275.0, 276.0, 276.0, 282.0, 273.0, 283.0, 265.0, 276.0, 272.0, 263.0, 264.0, 272.0, 278.0, 269.0, 263.0, 272.0, 274.0, 277.0, 269.0, 265.0, 270.0, 271.0, 270.0, 275.0, 273.0, 271.0, 280.0, 278.0, 277.0, 274.0, 279.0, 275.0, 266.0, 263.0, 267.0, 272.0, 268.0, 273.0, 272.0)	275.0

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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126.0	(289.0, 283.0, 286.0, 286.0, 281.0, 288.0, 289.0, 289.0, 289.0, 284.0, 282.0, 279.0, 280.0, 274.0, 277.0, 285.0, 276.0, 279.0, 276.0, 279.0, 269.0, 274.0, 266.0, 271.0, 279.0, 266.0, 264.0, 270.0, 274.0, 276.0, 267.0, 268.0, 265.0, 271.0, 273.0, 280.0, 274.0, 272.0, 278.0, 277.0, 280.0, 279.0, 274.0, 270.0, 263.0, 262.0, 263.0, 267.0, 278.0, 272.0, 271.0)	275.5
127.0	(291.0, 286.0, 286.0, 285.0, 285.0, 287.0, 286.0, 286.0, 282.0, 285.0, 287.0, 283.0, 279.0, 273.0, 278.0, 285.0, 283.0, 274.0, 271.0, 285.0, 264.0, 273.0, 267.0, 269.0, 272.0, 265.0, 268.0, 275.0, 276.0, 274.0, 268.0, 267.0, 271.0, 270.0, 276.0, 277.0, 276.0, 283.0, 279.0, 282.0, 279.0, 278.0, 276.0, 267.0, 260.0, 262.0, 265.0, 280.0, 278.0, 282.0, 273.0)	276.4
128.0	(282.0, 277.0, 286.0, 284.0, 287.0, 283.0, 284.0, 283.0, 275.0, 283.0, 287.0, 283.0, 285.0, 272.0, 275.0, 288.0, 286.0, 282.0, 265.0, 267.0, 264.0, 272.0, 262.0, 280.0, 266.0, 263.0, 265.0, 271.0, 275.0, 277.0, 275.0, 262.0, 272.0, 269.0, 277.0, 274.0, 274.0, 279.0, 274.0, 280.0, 277.0, 278.0, 277.0, 272.0, 261.0, 269.0, 269.0, 281.0, 278.0, 282.0, 270.0)	275.5
129.0	(280.0, 281.0, 285.0, 283.0, 287.0, 284.0, 283.0, 281.0, 276.0, 277.0, 284.0, 286.0, 283.0, 272.0, 273.0, 279.0, 270.0, 267.0, 261.0, 261.0, 268.0, 269.0, 259.0, 284.0, 268.0, 267.0, 263.0, 267.0, 273.0, 271.0, 272.0, 269.0, 261.0, 267.0, 275.0, 272.0, 280.0, 281.0, 275.0, 279.0, 280.0, 277.0, 274.0, 267.0, 259.0, 267.0, 260.0, 283.0, 274.0, 279.0, 272.0)	273.7
130.0	(280.0, 285.0, 283.0, 279.0, 283.0, 286.0, 285.0, 289.0, 275.0, 275.0, 286.0, 284.0, 288.0, 272.0, 275.0, 280.0, 279.0, 282.0, 275.0, 261.0, 269.0, 262.0, 258.0, 270.0, 271.0, 268.0, 263.0, 268.0, 270.0, 269.0, 268.0, 267.0, 265.0, 260.0, 267.0, 274.0, 278.0, 278.0, 278.0, 278.0, 278.0, 275.0, 275.0, 263.0, 260.0, 268.0, 263.0, 278.0, 272.0, 272.0, 265.0)	273.4
131.0	(279.0, 282.0, 283.0, 279.0, 282.0, 286.0, 290.0, 284.0, 281.0, 273.0, 285.0, 285.0, 286.0, 281.0, 280.0, 283.0, 282.0, 282.0, 285.0, 261.0, 260.0, 259.0, 261.0, 271.0, 277.0, 274.0, 265.0, 264.0, 268.0, 263.0, 265.0, 270.0, 271.0, 259.0, 264.0, 275.0, 278.0, 271.0, 276.0, 273.0, 274.0, 272.0, 275.0, 261.0, 259.0, 263.0, 260.0, 278.0, 269.0, 267.0, 272.0)	273.3

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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132.0	(279.0, 275.0, 278.0, 279.0, 282.0, 288.0, 286.0, 281.0, 278.0, 277.0, 283.0, 280.0, 281.0, 279.0, 282.0, 280.0, 283.0, 284.0, 288.0, 263.0, 259.0, 259.0, 264.0, 271.0, 287.0, 277.0, 264.0, 265.0, 264.0, 260.0, 263.0, 265.0, 262.0, 258.0, 264.0, 265.0, 269.0, 266.0, 276.0, 278.0, 281.0, 273.0, 268.0, 273.0, 257.0, 259.0, 261.0, 278.0, 264.0, 275.0, 276.0)	272.6
133.0	(279.0, 277.0, 283.0, 279.0, 282.0, 288.0, 285.0, 287.0, 275.0, 282.0, 287.0, 278.0, 283.0, 279.0, 286.0, 286.0, 284.0, 286.0, 287.0, 261.0, 258.0, 259.0, 258.0, 268.0, 289.0, 278.0, 268.0, 272.0, 268.0, 263.0, 264.0, 259.0, 259.0, 258.0, 258.0, 258.0, 261.0, 264.0, 267.0, 280.0, 275.0, 261.0, 267.0, 275.0, 268.0, 258.0, 265.0, 271.0, 266.0, 272.0, 276.0)	272.4
134.0	(279.0, 279.0, 279.0, 280.0, 285.0, 288.0, 284.0, 282.0, 273.0, 277.0, 287.0, 277.0, 277.0, 274.0, 287.0, 286.0, 283.0, 287.0, 284.0, 260.0, 259.0, 258.0, 260.0, 265.0, 289.0, 280.0, 265.0, 267.0, 268.0, 266.0, 270.0, 265.0, 261.0, 259.0, 255.0, 261.0, 255.0, 262.0, 262.0, 266.0, 262.0, 272.0, 272.0, 269.0, 271.0, 272.0, 256.0, 259.0, 262.0, 265.0, 273.0)	271.1
135.0	(281.0, 285.0, 287.0, 285.0, 287.0, 288.0, 282.0, 278.0, 276.0, 277.0, 287.0, 274.0, 279.0, 278.0, 287.0, 291.0, 282.0, 284.0, 280.0, 261.0, 259.0, 258.0, 270.0, 263.0, 284.0, 271.0, 267.0, 266.0, 267.0, 268.0, 278.0, 275.0, 270.0, 264.0, 262.0, 266.0, 260.0, 255.0, 258.0, 258.0, 258.0, 271.0, 267.0, 267.0, 265.0, 263.0, 256.0, 262.0, 262.0, 264.0, 269.0)	271.4
136.0	(283.0, 287.0, 286.0, 283.0, 282.0, 287.0, 276.0, 277.0, 278.0, 280.0, 288.0, 277.0, 278.0, 279.0, 284.0, 292.0, 283.0, 281.0, 282.0, 261.0, 258.0, 258.0, 277.0, 278.0, 284.0, 263.0, 273.0, 271.0, 268.0, 271.0, 274.0, 276.0, 272.0, 263.0, 268.0, 263.0, 266.0, 258.0, 255.0, 260.0, 264.0, 273.0, 272.0, 269.0, 268.0, 258.0, 260.0, 261.0, 265.0, 266.0, 266.0)	272.4
137.0	(281.0, 288.0, 280.0, 279.0, 286.0, 286.0, 277.0, 278.0, 273.0, 281.0, 290.0, 278.0, 283.0, 281.0, 280.0, 284.0, 283.0, 280.0, 282.0, 260.0, 256.0, 267.0, 277.0, 280.0, 283.0, 274.0, 274.0, 268.0, 274.0, 285.0, 269.0, 270.0, 264.0, 262.0, 265.0, 273.0, 275.0, 276.0, 259.0, 256.0, 256.0, 275.0, 269.0, 268.0, 255.0, 253.0, 253.0, 260.0, 267.0, 266.0, 266.0)	272.5

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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138.0	(282.0, 283.0, 281.0, 275.0, 284.0, 287.0, 276.0, 271.0, 271.0, 278.0, 290.0, 285.0, 282.0, 282.0, 283.0, 276.0, 283.0, 282.0, 280.0, 261.0, 260.0, 260.0, 275.0, 280.0, 281.0, 280.0, 274.0, 271.0, 279.0, 279.0, 270.0, 269.0, 261.0, 263.0, 267.0, 270.0, 259.0, 271.0, 269.0, 256.0, 253.0, 267.0, 257.0, 252.0, 253.0, 267.0, 260.0, 259.0, 262.0, 269.0, 257.0)	271.2
139.0	(282.0, 276.0, 275.0, 275.0, 287.0, 280.0, 276.0, 270.0, 270.0, 284.0, 288.0, 286.0, 285.0, 280.0, 283.0, 279.0, 283.0, 287.0, 280.0, 264.0, 259.0, 257.0, 273.0, 277.0, 269.0, 270.0, 263.0, 267.0, 271.0, 272.0, 284.0, 281.0, 283.0, 280.0, 269.0, 258.0, 256.0, 266.0, 255.0, 257.0, 251.0, 252.0, 251.0, 253.0, 260.0, 263.0, 258.0, 258.0, 257.0, 263.0, 253.0)	269.9
140.0	(285.0, 275.0, 275.0, 275.0, 285.0, 284.0, 279.0, 270.0, 269.0, 279.0, 286.0, 289.0, 286.0, 283.0, 282.0, 280.0, 286.0, 287.0, 285.0, 268.0, 263.0, 258.0, 270.0, 271.0, 263.0, 264.0, 266.0, 264.0, 278.0, 286.0, 284.0, 284.0, 283.0, 279.0, 260.0, 258.0, 260.0, 252.0, 251.0, 253.0, 253.0, 249.0, 250.0, 253.0, 252.0, 255.0, 255.0, 255.0, 257.0, 256.0, 256.0)	269.2
141.0	(289.0, 277.0, 275.0, 275.0, 277.0, 286.0, 281.0, 270.0, 269.0, 273.0, 282.0, 288.0, 289.0, 285.0, 283.0, 280.0, 285.0, 290.0, 290.0, 276.0, 262.0, 257.0, 260.0, 273.0, 266.0, 263.0, 271.0, 277.0, 278.0, 278.0, 281.0, 279.0, 283.0, 281.0, 265.0, 269.0, 270.0, 256.0, 253.0, 253.0, 254.0, 249.0, 249.0, 253.0, 254.0, 253.0, 253.0, 253.0, 256.0, 254.0, 257.0)	269.8
142.0	(292.0, 281.0, 276.0, 276.0, 279.0, 280.0, 278.0, 270.0, 270.0, 273.0, 280.0, 288.0, 290.0, 283.0, 283.0, 280.0, 280.0, 289.0, 289.0, 271.0, 265.0, 259.0, 256.0, 265.0, 264.0, 263.0, 270.0, 274.0, 272.0, 273.0, 273.0, 274.0, 279.0, 277.0, 269.0, 273.0, 266.0, 261.0, 253.0, 253.0, 251.0, 250.0, 249.0, 251.0, 253.0, 251.0, 250.0, 250.0, 254.0, 252.0, 245.0)	268.2
143.0	(293.0, 283.0, 277.0, 278.0, 279.0, 281.0, 272.0, 269.0, 270.0, 270.0, 282.0, 288.0, 290.0, 286.0, 283.0, 277.0, 275.0, 276.0, 283.0, 278.0, 270.0, 257.0, 257.0, 258.0, 268.0, 265.0, 265.0, 278.0, 271.0, 270.0, 269.0, 280.0, 284.0, 284.0, 278.0, 267.0, 262.0, 252.0, 253.0, 252.0, 254.0, 248.0, 249.0, 250.0, 253.0, 252.0, 249.0, 251.0, 252.0, 251.0, 246.0)	267.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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144.0	(289.0, 288.0, 276.0, 279.0, 277.0, 283.0, 278.0, 270.0, 269.0, 273.0, 286.0, 288.0, 288.0, 291.0, 283.0, 274.0, 274.0, 276.0, 279.0, 283.0, 273.0, 257.0, 256.0, 263.0, 264.0, 265.0, 274.0, 274.0, 271.0, 266.0, 268.0, 272.0, 284.0, 284.0, 283.0, 281.0, 264.0, 253.0, 253.0, 252.0, 253.0, 247.0, 250.0, 250.0, 251.0, 250.0, 250.0, 250.0, 247.0, 246.0, 246.0)	268.2
145.0	(287.0, 286.0, 277.0, 281.0, 283.0, 283.0, 288.0, 272.0, 270.0, 268.0, 282.0, 285.0, 287.0, 292.0, 285.0, 282.0, 274.0, 273.0, 276.0, 279.0, 280.0, 256.0, 261.0, 275.0, 266.0, 265.0, 271.0, 268.0, 268.0, 269.0, 274.0, 271.0, 281.0, 287.0, 289.0, 279.0, 262.0, 254.0, 254.0, 253.0, 251.0, 247.0, 250.0, 248.0, 250.0, 249.0, 249.0, 247.0, 247.0, 244.0, 246.0)	268.7
146.0	(279.0, 287.0, 279.0, 281.0, 285.0, 287.0, 289.0, 285.0, 271.0, 267.0, 286.0, 284.0, 288.0, 287.0, 288.0, 286.0, 280.0, 271.0, 271.0, 276.0, 278.0, 257.0, 262.0, 263.0, 273.0, 273.0, 269.0, 266.0, 270.0, 268.0, 269.0, 271.0, 276.0, 282.0, 290.0, 277.0, 257.0, 253.0, 253.0, 252.0, 247.0, 247.0, 247.0, 246.0, 247.0, 247.0, 244.0, 244.0, 244.0, 245.0, 252.0)	268.3
147.0	(275.0, 283.0, 282.0, 286.0, 284.0, 275.0, 283.0, 291.0, 271.0, 266.0, 278.0, 279.0, 290.0, 287.0, 290.0, 289.0, 281.0, 271.0, 277.0, 273.0, 278.0, 257.0, 270.0, 272.0, 270.0, 271.0, 269.0, 273.0, 270.0, 270.0, 263.0, 271.0, 274.0, 271.0, 277.0, 276.0, 255.0, 253.0, 252.0, 251.0, 250.0, 247.0, 247.0, 246.0, 246.0, 244.0, 251.0, 249.0, 249.0, 250.0, 253.0)	268.2
148.0	(276.0, 283.0, 288.0, 282.0, 289.0, 278.0, 277.0, 290.0, 278.0, 267.0, 282.0, 285.0, 290.0, 287.0, 287.0, 289.0, 287.0, 278.0, 276.0, 272.0, 269.0, 258.0, 264.0, 257.0, 271.0, 271.0, 270.0, 271.0, 273.0, 272.0, 265.0, 277.0, 285.0, 273.0, 265.0, 257.0, 252.0, 252.0, 252.0, 250.0, 250.0, 248.0, 247.0, 245.0, 247.0, 255.0, 256.0, 252.0, 254.0, 249.0, 251.0)	268.5
149.0	(277.0, 287.0, 289.0, 278.0, 282.0, 278.0, 282.0, 291.0, 277.0, 266.0, 280.0, 286.0, 288.0, 288.0, 288.0, 290.0, 286.0, 288.0, 286.0, 279.0, 271.0, 266.0, 254.0, 253.0, 277.0, 267.0, 273.0, 272.0, 270.0, 272.0, 270.0, 264.0, 281.0, 275.0, 257.0, 252.0, 252.0, 251.0, 251.0, 251.0, 249.0, 245.0, 247.0, 243.0, 252.0, 256.0, 253.0, 255.0, 251.0, 249.0, 252.0)	268.4

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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150.0	(279.0, 288.0, 290.0, 279.0, 274.0, 281.0, 284.0, 292.0, 291.0, 274.0, 270.0, 278.0, 284.0, 289.0, 287.0, 288.0, 286.0, 283.0, 288.0, 284.0, 271.0, 263.0, 257.0, 255.0, 273.0, 259.0, 279.0, 273.0, 271.0, 269.0, 266.0, 268.0, 274.0, 271.0, 257.0, 252.0, 251.0, 253.0, 252.0, 253.0, 244.0, 244.0, 242.0, 254.0, 254.0, 256.0, 253.0, 253.0, 253.0, 252.0, 253.0)	268.3
151.0	(280.0, 277.0, 291.0, 282.0, 275.0, 284.0, 287.0, 291.0, 293.0, 282.0, 265.0, 271.0, 281.0, 289.0, 288.0, 288.0, 286.0, 280.0, 278.0, 287.0, 277.0, 283.0, 258.0, 259.0, 259.0, 269.0, 258.0, 270.0, 274.0, 268.0, 269.0, 275.0, 262.0, 255.0, 253.0, 252.0, 250.0, 253.0, 253.0, 244.0, 246.0, 241.0, 249.0, 255.0, 253.0, 253.0, 253.0, 253.0, 253.0, 254.0, 256.0)	267.6
152.0	(280.0, 278.0, 291.0, 286.0, 276.0, 282.0, 288.0, 291.0, 290.0, 290.0, 263.0, 266.0, 276.0, 290.0, 288.0, 288.0, 287.0, 283.0, 283.0, 281.0, 277.0, 278.0, 270.0, 276.0, 273.0, 255.0, 258.0, 272.0, 269.0, 273.0, 265.0, 276.0, 268.0, 256.0, 253.0, 251.0, 250.0, 251.0, 244.0, 243.0, 244.0, 246.0, 247.0, 249.0, 249.0, 251.0, 253.0, 253.0, 252.0, 255.0, 260.0)	267.9
153.0	(278.0, 277.0, 292.0, 286.0, 279.0, 277.0, 286.0, 289.0, 290.0, 291.0, 263.0, 266.0, 286.0, 288.0, 290.0, 287.0, 289.0, 286.0, 281.0, 279.0, 276.0, 273.0, 269.0, 265.0, 271.0, 261.0, 257.0, 260.0, 274.0, 258.0, 259.0, 266.0, 259.0, 254.0, 251.0, 249.0, 248.0, 245.0, 244.0, 241.0, 244.0, 246.0, 253.0, 252.0, 254.0, 251.0, 252.0, 253.0, 254.0, 255.0, 266.0)	266.8
154.0	(279.0, 287.0, 290.0, 291.0, 285.0, 274.0, 279.0, 289.0, 289.0, 290.0, 263.0, 263.0, 285.0, 288.0, 289.0, 289.0, 288.0, 286.0, 283.0, 289.0, 287.0, 283.0, 272.0, 269.0, 264.0, 269.0, 254.0, 257.0, 257.0, 262.0, 257.0, 259.0, 256.0, 251.0, 247.0, 242.0, 243.0, 244.0, 242.0, 244.0, 248.0, 256.0, 262.0, 268.0, 258.0, 269.0, 272.0, 267.0, 271.0, 272.0, 263.0)	269.2
155.0	(279.0, 287.0, 290.0, 290.0, 283.0, 273.0, 277.0, 282.0, 287.0, 290.0, 263.0, 263.0, 271.0, 287.0, 289.0, 286.0, 289.0, 290.0, 286.0, 288.0, 286.0, 281.0, 270.0, 260.0, 263.0, 269.0, 268.0, 262.0, 251.0, 251.0, 254.0, 256.0, 256.0, 246.0, 245.0, 243.0, 242.0, 241.0, 245.0, 247.0, 257.0, 274.0, 268.0, 270.0, 266.0, 274.0, 274.0, 271.0, 271.0, 270.0, 270.0)	269.4

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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156.0	(277.0, 288.0, 290.0, 291.0, 287.0, 277.0, 273.0, 275.0, 276.0, 289.0, 264.0, 264.0, 265.0, 279.0, 289.0, 290.0, 286.0, 284.0, 285.0, 288.0, 288.0, 284.0, 278.0, 268.0, 264.0, 266.0, 262.0, 252.0, 253.0, 256.0, 254.0, 253.0, 251.0, 244.0, 245.0, 242.0, 243.0, 241.0, 249.0, 258.0, 275.0, 282.0, 271.0, 268.0, 269.0, 274.0, 275.0, 271.0, 269.0, 265.0, 272.0)	269.6
157.0	(277.0, 287.0, 290.0, 291.0, 290.0, 277.0, 273.0, 276.0, 283.0, 290.0, 268.0, 265.0, 263.0, 267.0, 280.0, 289.0, 285.0, 286.0, 286.0, 286.0, 290.0, 281.0, 282.0, 272.0, 268.0, 261.0, 263.0, 252.0, 248.0, 253.0, 251.0, 251.0, 248.0, 243.0, 242.0, 242.0, 244.0, 250.0, 261.0, 266.0, 283.0, 278.0, 270.0, 270.0, 271.0, 274.0, 275.0, 270.0, 267.0, 268.0, 269.0)	269.9
158.0	(277.0, 282.0, 287.0, 290.0, 286.0, 273.0, 273.0, 279.0, 277.0, 287.0, 266.0, 264.0, 263.0, 264.0, 273.0, 279.0, 285.0, 283.0, 280.0, 280.0, 287.0, 277.0, 273.0, 266.0, 264.0, 258.0, 255.0, 252.0, 251.0, 250.0, 250.0, 250.0, 246.0, 243.0, 244.0, 244.0, 249.0, 265.0, 277.0, 278.0, 283.0, 273.0, 269.0, 270.0, 271.0, 273.0, 269.0, 272.0, 271.0, 267.0, 266.0)	268.7
159.0	(277.0, 277.0, 291.0, 292.0, 283.0, 275.0, 273.0, 286.0, 284.0, 277.0, 264.0, 264.0, 265.0, 274.0, 274.0, 276.0, 283.0, 281.0, 280.0, 273.0, 278.0, 274.0, 276.0, 271.0, 269.0, 264.0, 257.0, 249.0, 247.0, 250.0, 250.0, 244.0, 241.0, 242.0, 243.0, 244.0, 252.0, 270.0, 275.0, 282.0, 278.0, 270.0, 269.0, 271.0, 272.0, 270.0, 271.0, 272.0, 271.0, 268.0, 265.0)	268.5
160.0	(280.0, 275.0, 287.0, 290.0, 286.0, 279.0, 274.0, 285.0, 279.0, 269.0, 264.0, 263.0, 263.0, 264.0, 265.0, 265.0, 268.0, 284.0, 282.0, 277.0, 281.0, 278.0, 273.0, 270.0, 266.0, 269.0, 258.0, 248.0, 246.0, 245.0, 243.0, 242.0, 242.0, 244.0, 244.0, 244.0, 255.0, 277.0, 282.0, 282.0, 275.0, 269.0, 269.0, 269.0, 272.0, 272.0, 271.0, 269.0, 271.0, 271.0, 267.0)	267.7
161.0	(288.0, 275.0, 282.0, 282.0, 286.0, 281.0, 283.0, 285.0, 266.0, 266.0, 265.0, 263.0, 264.0, 261.0, 264.0, 265.0, 281.0, 280.0, 280.0, 280.0, 284.0, 281.0, 277.0, 267.0, 265.0, 263.0, 254.0, 245.0, 246.0, 250.0, 244.0, 245.0, 243.0, 242.0, 244.0, 246.0, 256.0, 273.0, 281.0, 278.0, 271.0, 269.0, 269.0, 270.0, 272.0, 270.0, 267.0, 267.0, 271.0, 272.0, 273.0)	267.3

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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162.0	(294.0, 275.0, 287.0, 278.0, 284.0, 289.0, 287.0, 275.0, 265.0, 265.0, 264.0, 263.0, 264.0, 263.0, 263.0, 274.0, 288.0, 282.0, 278.0, 271.0, 283.0, 283.0, 280.0, 272.0, 275.0, 260.0, 253.0, 248.0, 247.0, 250.0, 250.0, 247.0, 243.0, 242.0, 243.0, 246.0, 256.0, 270.0, 276.0, 273.0, 269.0, 269.0, 268.0, 271.0, 272.0, 272.0, 269.0, 268.0, 268.0, 271.0, 270.0)	267.6
163.0	(292.0, 277.0, 283.0, 276.0, 283.0, 290.0, 285.0, 266.0, 264.0, 264.0, 264.0, 263.0, 264.0, 264.0, 263.0, 270.0, 286.0, 287.0, 279.0, 278.0, 279.0, 283.0, 272.0, 265.0, 263.0, 255.0, 253.0, 251.0, 250.0, 247.0, 249.0, 246.0, 242.0, 242.0, 243.0, 245.0, 247.0, 265.0, 274.0, 271.0, 268.0, 271.0, 269.0, 270.0, 272.0, 274.0, 271.0, 269.0, 269.0, 270.0, 269.0)	266.4
164.0	(294.0, 285.0, 276.0, 277.0, 282.0, 287.0, 285.0, 276.0, 265.0, 264.0, 263.0, 263.0, 263.0, 266.0, 265.0, 268.0, 287.0, 286.0, 286.0, 280.0, 272.0, 281.0, 280.0, 264.0, 264.0, 257.0, 258.0, 256.0, 247.0, 248.0, 247.0, 248.0, 242.0, 242.0, 242.0, 245.0, 253.0, 259.0, 270.0, 269.0, 266.0, 269.0, 269.0, 268.0, 271.0, 274.0, 268.0, 270.0, 271.0, 275.0, 287.0)	267.1
165.0	(293.0, 289.0, 276.0, 280.0, 280.0, 283.0, 289.0, 285.0, 266.0, 264.0, 265.0, 262.0, 263.0, 264.0, 268.0, 275.0, 288.0, 287.0, 287.0, 285.0, 286.0, 287.0, 285.0, 272.0, 260.0, 257.0, 270.0, 258.0, 249.0, 242.0, 246.0, 243.0, 242.0, 242.0, 242.0, 250.0, 255.0, 263.0, 264.0, 261.0, 266.0, 268.0, 268.0, 268.0, 268.0, 265.0, 267.0, 268.0, 275.0, 290.0, 309.0)	268.8
166.0	(291.0, 289.0, 277.0, 283.0, 278.0, 274.0, 288.0, 285.0, 276.0, 264.0, 264.0, 262.0, 263.0, 264.0, 268.0, 286.0, 289.0, 288.0, 287.0, 284.0, 285.0, 286.0, 286.0, 279.0, 258.0, 255.0, 261.0, 268.0, 255.0, 247.0, 247.0, 247.0, 242.0, 242.0, 242.0, 250.0, 253.0, 259.0, 260.0, 260.0, 264.0, 269.0, 248.0, 270.0, 260.0, 262.0, 267.0, 269.0, 274.0, 280.0, 298.0)	268.2
167.0	(293.0, 290.0, 279.0, 272.0, 274.0, 272.0, 280.0, 287.0, 276.0, 264.0, 263.0, 262.0, 263.0, 264.0, 273.0, 278.0, 288.0, 288.0, 286.0, 284.0, 284.0, 287.0, 279.0, 284.0, 265.0, 257.0, 256.0, 271.0, 259.0, 252.0, 250.0, 245.0, 243.0, 242.0, 242.0, 247.0, 253.0, 253.0, 257.0, 263.0, 268.0, 269.0, 269.0, 267.0, 264.0, 261.0, 271.0, 271.0, 274.0, 274.0, 279.0)	268.0

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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168.0	(291.0, 291.0, 282.0, 279.0, 281.0, 271.0, 271.0, 277.0, 265.0, 272.0, 263.0, 262.0, 262.0, 263.0, 267.0, 275.0, 288.0, 287.0, 286.0, 284.0, 282.0, 286.0, 282.0, 274.0, 263.0, 257.0, 265.0, 262.0, 265.0, 254.0, 249.0, 245.0, 244.0, 243.0, 242.0, 245.0, 253.0, 254.0, 254.0, 256.0, 266.0, 268.0, 269.0, 264.0, 259.0, 269.0, 271.0, 274.0, 275.0, 271.0, 271.0)	267.2
169.0	(291.0, 290.0, 283.0, 283.0, 274.0, 267.0, 263.0, 272.0, 262.0, 275.0, 262.0, 262.0, 262.0, 262.0, 275.0, 280.0, 286.0, 286.0, 287.0, 287.0, 283.0, 284.0, 288.0, 284.0, 276.0, 272.0, 276.0, 275.0, 264.0, 254.0, 248.0, 246.0, 243.0, 242.0, 243.0, 245.0, 253.0, 255.0, 253.0, 255.0, 255.0, 268.0, 268.0, 254.0, 269.0, 269.0, 268.0, 276.0, 275.0, 274.0, 262.0)	267.9
170.0	(288.0, 287.0, 282.0, 282.0, 265.0, 264.0, 262.0, 274.0, 262.0, 269.0, 260.0, 261.0, 261.0, 261.0, 274.0, 280.0, 286.0, 285.0, 285.0, 287.0, 285.0, 282.0, 277.0, 290.0, 290.0, 288.0, 295.0, 288.0, 293.0, 264.0, 250.0, 243.0, 243.0, 241.0, 242.0, 243.0, 244.0, 254.0, 247.0, 249.0, 261.0, 262.0, 260.0, 254.0, 253.0, 259.0, 261.0, 262.0, 273.0, 266.0, 261.0)	267.3
171.0	(286.0, 289.0, 284.0, 282.0, 264.0, 264.0, 262.0, 261.0, 265.0, 262.0, 260.0, 261.0, 261.0, 262.0, 271.0, 276.0, 284.0, 285.0, 283.0, 285.0, 283.0, 276.0, 271.0, 286.0, 299.0, 290.0, 293.0, 292.0, 293.0, 290.0, 260.0, 247.0, 243.0, 241.0, 242.0, 244.0, 254.0, 243.0, 254.0, 249.0, 252.0, 242.0, 259.0, 260.0, 244.0, 250.0, 261.0, 264.0, 270.0, 248.0, 260.0)	266.4
172.0	(284.0, 288.0, 281.0, 282.0, 264.0, 263.0, 262.0, 260.0, 263.0, 260.0, 260.0, 261.0, 271.0, 262.0, 273.0, 280.0, 276.0, 283.0, 281.0, 285.0, 281.0, 274.0, 273.0, 283.0, 295.0, 295.0, 293.0, 291.0, 291.0, 287.0, 272.0, 253.0, 243.0, 241.0, 242.0, 244.0, 243.0, 245.0, 250.0, 252.0, 254.0, 262.0, 260.0, 244.0, 244.0, 246.0, 248.0, 251.0, 249.0, 248.0, 267.0)	265.5
173.0	(284.0, 280.0, 277.0, 279.0, 266.0, 263.0, 263.0, 260.0, 260.0, 260.0, 260.0, 261.0, 260.0, 260.0, 282.0, 284.0, 275.0, 279.0, 282.0, 284.0, 283.0, 278.0, 272.0, 281.0, 285.0, 294.0, 297.0, 283.0, 283.0, 288.0, 287.0, 269.0, 251.0, 240.0, 241.0, 242.0, 243.0, 243.0, 243.0, 248.0, 251.0, 258.0, 259.0, 254.0, 244.0, 246.0, 247.0, 246.0, 254.0, 265.0, 267.0)	265.5

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
-----	-----	-----
174.0	(281.0, 275.0, 274.0, 276.0, 266.0, 264.0, 262.0, 261.0, 260.0, 260.0, 260.0, 260.0, 264.0, 265.0, 284.0, 283.0, 283.0, 276.0, 280.0, 283.0, 277.0, 269.0, 267.0, 268.0, 274.0, 290.0, 290.0, 280.0, 275.0, 285.0, 286.0, 281.0, 261.0, 243.0, 241.0, 243.0, 242.0, 243.0, 244.0, 244.0, 244.0, 250.0, 257.0, 256.0, 246.0, 245.0, 247.0, 256.0, 263.0, 264.0, 265.0)	264.6
175.0	(275.0, 271.0, 273.0, 270.0, 264.0, 265.0, 264.0, 261.0, 260.0, 260.0, 261.0, 260.0, 268.0, 277.0, 283.0, 281.0, 280.0, 277.0, 280.0, 283.0, 265.0, 269.0, 270.0, 266.0, 272.0, 283.0, 288.0, 293.0, 281.0, 273.0, 285.0, 280.0, 284.0, 251.0, 239.0, 241.0, 241.0, 241.0, 244.0, 247.0, 243.0, 247.0, 242.0, 243.0, 243.0, 249.0, 253.0, 255.0, 258.0, 262.0, 265.0)	264.2
176.0	(274.0, 271.0, 272.0, 267.0, 264.0, 267.0, 265.0, 264.0, 260.0, 261.0, 265.0, 261.0, 273.0, 284.0, 283.0, 282.0, 284.0, 279.0, 277.0, 278.0, 276.0, 269.0, 267.0, 267.0, 271.0, 280.0, 273.0, 283.0, 282.0, 279.0, 279.0, 283.0, 281.0, 269.0, 244.0, 241.0, 287.0, 285.0, 243.0, 247.0, 247.0, 247.0, 246.0, 250.0, 255.0, 256.0, 254.0, 255.0, 252.0, 257.0, 256.0)	266.8
177.0	(273.0, 270.0, 276.0, 264.0, 263.0, 266.0, 270.0, 265.0, 261.0, 263.0, 264.0, 262.0, 276.0, 283.0, 284.0, 283.0, 284.0, 284.0, 274.0, 272.0, 282.0, 266.0, 266.0, 277.0, 270.0, 275.0, 278.0, 280.0, 283.0, 283.0, 289.0, 276.0, 264.0, 273.0, 255.0, 239.0, 239.0, 239.0, 240.0, 243.0, 247.0, 247.0, 247.0, 250.0, 250.0, 256.0, 256.0, 254.0, 255.0, 257.0, 257.0)	265.1
178.0	(277.0, 271.0, 277.0, 263.0, 263.0, 265.0, 275.0, 264.0, 266.0, 264.0, 271.0, 273.0, 279.0, 283.0, 282.0, 281.0, 281.0, 281.0, 280.0, 278.0, 281.0, 271.0, 263.0, 270.0, 271.0, 279.0, 277.0, 276.0, 277.0, 285.0, 284.0, 282.0, 265.0, 264.0, 271.0, 250.0, 247.0, 239.0, 239.0, 241.0, 245.0, 246.0, 247.0, 248.0, 247.0, 250.0, 256.0, 255.0, 254.0, 256.0, 255.0)	265.8
179.0	(279.0, 275.0, 270.0, 264.0, 262.0, 264.0, 273.0, 266.0, 265.0, 263.0, 274.0, 282.0, 278.0, 282.0, 281.0, 280.0, 280.0, 278.0, 278.0, 272.0, 276.0, 264.0, 262.0, 267.0, 282.0, 285.0, 278.0, 272.0, 272.0, 281.0, 279.0, 284.0, 279.0, 262.0, 257.0, 252.0, 248.0, 239.0, 239.0, 239.0, 244.0, 245.0, 247.0, 247.0, 247.0, 247.0, 249.0, 254.0, 253.0, 253.0, 250.0)	264.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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180.0	(280.0, 277.0, 267.0, 264.0, 262.0, 262.0, 262.0, 264.0, 261.0, 262.0, 270.0, 277.0, 275.0, 281.0, 280.0, 278.0, 277.0, 277.0, 272.0, 271.0, 260.0, 260.0, 260.0, 274.0, 282.0, 290.0, 278.0, 275.0, 272.0, 270.0, 273.0, 274.0, 271.0, 265.0, 270.0, 267.0, 250.0, 242.0, 241.0, 239.0, 240.0, 244.0, 245.0, 246.0, 246.0, 246.0, 247.0, 249.0, 254.0, 251.0, 253.0)	263.5
181.0	(280.0, 280.0, 268.0, 264.0, 262.0, 262.0, 262.0, 260.0, 260.0, 262.0, 261.0, 275.0, 274.0, 280.0, 279.0, 277.0, 278.0, 277.0, 276.0, 271.0, 260.0, 260.0, 260.0, 281.0, 292.0, 286.0, 272.0, 270.0, 273.0, 272.0, 275.0, 272.0, 274.0, 277.0, 276.0, 270.0, 261.0, 247.0, 244.0, 241.0, 240.0, 242.0, 243.0, 245.0, 246.0, 246.0, 246.0, 247.0, 245.0, 243.0, 246.0)	263.6
182.0	(277.0, 281.0, 272.0, 264.0, 268.0, 264.0, 265.0, 261.0, 260.0, 260.0, 261.0, 269.0, 274.0, 281.0, 281.0, 275.0, 266.0, 270.0, 269.0, 271.0, 260.0, 260.0, 267.0, 273.0, 293.0, 290.0, 283.0, 276.0, 266.0, 266.0, 270.0, 257.0, 257.0, 256.0, 272.0, 270.0, 258.0, 245.0, 242.0, 243.0, 242.0, 240.0, 241.0, 244.0, 245.0, 246.0, 246.0, 245.0, 244.0, 243.0, 243.0)	261.9
183.0	(278.0, 281.0, 277.0, 264.0, 274.0, 272.0, 270.0, 262.0, 261.0, 260.0, 261.0, 266.0, 274.0, 274.0, 280.0, 268.0, 260.0, 264.0, 270.0, 264.0, 262.0, 265.0, 272.0, 283.0, 288.0, 287.0, 271.0, 278.0, 281.0, 260.0, 254.0, 250.0, 249.0, 248.0, 250.0, 248.0, 246.0, 247.0, 253.0, 245.0, 244.0, 239.0, 240.0, 242.0, 246.0, 246.0, 244.0, 244.0, 244.0, 243.0, 243.0)	260.3
184.0	(280.0, 280.0, 281.0, 267.0, 276.0, 279.0, 279.0, 265.0, 262.0, 260.0, 260.0, 275.0, 278.0, 268.0, 265.0, 262.0, 256.0, 257.0, 265.0, 272.0, 271.0, 275.0, 267.0, 282.0, 288.0, 284.0, 257.0, 254.0, 255.0, 254.0, 251.0, 249.0, 248.0, 252.0, 249.0, 250.0, 249.0, 266.0, 273.0, 249.0, 245.0, 244.0, 241.0, 241.0, 244.0, 247.0, 246.0, 244.0, 244.0, 244.0, 242.0)	260.2
185.0	(281.0, 277.0, 281.0, 271.0, 276.0, 282.0, 279.0, 268.0, 263.0, 260.0, 261.0, 275.0, 280.0, 277.0, 267.0, 255.0, 255.0, 255.0, 257.0, 264.0, 268.0, 270.0, 260.0, 268.0, 274.0, 272.0, 253.0, 251.0, 250.0, 250.0, 249.0, 249.0, 256.0, 263.0, 261.0, 251.0, 262.0, 266.0, 276.0, 255.0, 246.0, 244.0, 242.0, 241.0, 240.0, 240.0, 241.0, 245.0, 244.0, 244.0, 244.0)	259.6

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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186.0	(281.0, 279.0, 278.0, 275.0, 274.0, 280.0, 281.0, 268.0, 261.0, 261.0, 260.0, 270.0, 280.0, 279.0, 273.0, 255.0, 256.0, 255.0, 254.0, 259.0, 260.0, 261.0, 266.0, 257.0, 262.0, 260.0, 251.0, 265.0, 259.0, 256.0, 251.0, 250.0, 264.0, 271.0, 270.0, 252.0, 262.0, 271.0, 273.0, 266.0, 247.0, 246.0, 242.0, 241.0, 241.0, 241.0, 240.0, 241.0, 242.0, 245.0, 244.0)	259.9
187.0	(281.0, 279.0, 278.0, 276.0, 276.0, 277.0, 281.0, 267.0, 263.0, 261.0, 260.0, 277.0, 279.0, 277.0, 267.0, 259.0, 261.0, 259.0, 254.0, 256.0, 259.0, 255.0, 258.0, 256.0, 258.0, 254.0, 252.0, 275.0, 278.0, 278.0, 256.0, 255.0, 271.0, 262.0, 257.0, 254.0, 273.0, 274.0, 275.0, 255.0, 242.0, 244.0, 241.0, 240.0, 241.0, 242.0, 240.0, 241.0, 240.0, 240.0, 241.0)	260.3
188.0	(282.0, 278.0, 280.0, 275.0, 274.0, 279.0, 278.0, 272.0, 268.0, 262.0, 261.0, 275.0, 279.0, 276.0, 261.0, 263.0, 264.0, 265.0, 254.0, 254.0, 254.0, 254.0, 253.0, 252.0, 251.0, 251.0, 254.0, 265.0, 272.0, 278.0, 265.0, 257.0, 264.0, 256.0, 254.0, 254.0, 267.0, 262.0, 252.0, 255.0, 254.0, 250.0, 246.0, 244.0, 241.0, 240.0, 241.0, 241.0, 241.0, 239.0, 240.0)	259.3
189.0	(280.0, 277.0, 279.0, 274.0, 274.0, 280.0, 278.0, 276.0, 270.0, 265.0, 261.0, 275.0, 275.0, 269.0, 259.0, 265.0, 268.0, 268.0, 254.0, 256.0, 253.0, 255.0, 256.0, 255.0, 253.0, 263.0, 270.0, 277.0, 281.0, 273.0, 264.0, 265.0, 269.0, 256.0, 264.0, 268.0, 263.0, 275.0, 271.0, 259.0, 268.0, 240.0, 250.0, 249.0, 251.0, 246.0, 245.0, 241.0, 241.0, 241.0, 240.0)	262.5
190.0	(280.0, 277.0, 279.0, 274.0, 272.0, 280.0, 283.0, 279.0, 271.0, 266.0, 270.0, 272.0, 270.0, 264.0, 258.0, 263.0, 269.0, 267.0, 255.0, 255.0, 261.0, 261.0, 261.0, 264.0, 270.0, 276.0, 273.0, 275.0, 276.0, 277.0, 261.0, 255.0, 258.0, 272.0, 275.0, 272.0, 272.0, 271.0, 263.0, 274.0, 271.0, 272.0, 268.0, 263.0, 262.0, 263.0, 257.0, 249.0, 247.0, 242.0, 240.0)	266.5
191.0	(279.0, 277.0, 277.0, 273.0, 272.0, 280.0, 283.0, 279.0, 269.0, 266.0, 265.0, 269.0, 265.0, 261.0, 257.0, 265.0, 269.0, 270.0, 263.0, 260.0, 262.0, 270.0, 263.0, 272.0, 270.0, 264.0, 275.0, 279.0, 279.0, 271.0, 260.0, 261.0, 260.0, 260.0, 260.0, 259.0, 267.0, 273.0, 263.0, 269.0, 276.0, 264.0, 265.0, 269.0, 268.0, 272.0, 259.0, 257.0, 256.0, 256.0, 245.0)	266.9

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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192.0	(276.0, 277.0, 277.0, 274.0, 270.0, 281.0, 282.0, 278.0, 269.0, 265.0, 261.0, 265.0, 260.0, 260.0, 258.0, 270.0, 269.0, 273.0, 271.0, 272.0, 272.0, 266.0, 276.0, 269.0, 281.0, 278.0, 264.0, 280.0, 271.0, 274.0, 261.0, 270.0, 259.0, 260.0, 261.0, 265.0, 261.0, 267.0, 263.0, 265.0, 257.0, 255.0, 269.0, 267.0, 267.0, 260.0, 264.0, 258.0, 256.0, 256.0, 257.0)	267.2
193.0	(275.0, 277.0, 277.0, 273.0, 269.0, 279.0, 282.0, 276.0, 269.0, 265.0, 260.0, 259.0, 257.0, 256.0, 260.0, 276.0, 275.0, 276.0, 282.0, 272.0, 282.0, 278.0, 277.0, 275.0, 280.0, 281.0, 269.0, 266.0, 261.0, 270.0, 273.0, 266.0, 257.0, 262.0, 270.0, 274.0, 260.0, 262.0, 257.0, 254.0, 255.0, 265.0, 266.0, 267.0, 272.0, 272.0, 265.0, 258.0, 262.0, 255.0, 255.0)	268.1
194.0	(270.0, 276.0, 276.0, 272.0, 269.0, 274.0, 281.0, 274.0, 275.0, 270.0, 261.0, 260.0, 258.0, 260.0, 268.0, 277.0, 273.0, 279.0, 274.0, 268.0, 278.0, 276.0, 275.0, 277.0, 280.0, 277.0, 275.0, 268.0, 278.0, 274.0, 269.0, 259.0, 257.0, 269.0, 272.0, 273.0, 267.0, 267.0, 266.0, 257.0, 269.0, 272.0, 247.0, 275.0, 278.0, 275.0, 269.0, 268.0, 258.0, 266.0, 253.0)	269.8
195.0	(269.0, 274.0, 275.0, 271.0, 269.0, 279.0, 280.0, 275.0, 281.0, 280.0, 270.0, 270.0, 269.0, 267.0, 280.0, 280.0, 274.0, 285.0, 284.0, 269.0, 281.0, 276.0, 280.0, 282.0, 278.0, 278.0, 261.0, 274.0, 273.0, 275.0, 271.0, 259.0, 258.0, 260.0, 272.0, 265.0, 269.0, 276.0, 256.0, 258.0, 276.0, 278.0, 278.0, 278.0, 277.0, 276.0, 262.0, 266.0, 265.0, 255.0, 252.0)	271.9
196.0	(271.0, 270.0, 273.0, 273.0, 269.0, 284.0, 280.0, 278.0, 283.0, 286.0, 270.0, 275.0, 278.0, 278.0, 283.0, 275.0, 281.0, 284.0, 285.0, 278.0, 280.0, 276.0, 282.0, 283.0, 280.0, 277.0, 261.0, 268.0, 261.0, 263.0, 259.0, 257.0, 259.0, 267.0, 266.0, 275.0, 275.0, 270.0, 276.0, 275.0, 265.0, 278.0, 278.0, 276.0, 279.0, 277.0, 274.0, 268.0, 266.0, 254.0, 269.0)	273.5
197.0	(272.0, 270.0, 273.0, 272.0, 269.0, 280.0, 284.0, 281.0, 285.0, 283.0, 274.0, 280.0, 285.0, 285.0, 278.0, 282.0, 284.0, 285.0, 283.0, 275.0, 285.0, 281.0, 281.0, 281.0, 281.0, 273.0, 277.0, 261.0, 261.0, 258.0, 258.0, 258.0, 270.0, 260.0, 259.0, 259.0, 265.0, 259.0, 278.0, 279.0, 273.0, 279.0, 279.0, 278.0, 276.0, 275.0, 274.0, 272.0, 268.0, 257.0, 253.0)	273.5

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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198.0	(274.0, 271.0, 271.0, 271.0, 270.0, 282.0, 285.0, 286.0, 283.0, 276.0, 281.0, 284.0, 288.0, 284.0, 284.0, 284.0, 283.0, 283.0, 284.0, 280.0, 284.0, 284.0, 280.0, 280.0, 278.0, 277.0, 267.0, 275.0, 266.0, 258.0, 269.0, 275.0, 269.0, 271.0, 261.0, 259.0, 259.0, 259.0, 278.0, 275.0, 278.0, 278.0, 266.0, 245.0, 264.0, 269.0, 261.0, 259.0, 251.0, 252.0, 250.0)	272.5
199.0	(274.0, 272.0, 271.0, 271.0, 271.0, 284.0, 286.0, 288.0, 282.0, 278.0, 286.0, 286.0, 286.0, 283.0, 285.0, 284.0, 283.0, 285.0, 279.0, 282.0, 284.0, 283.0, 281.0, 281.0, 276.0, 280.0, 272.0, 278.0, 277.0, 261.0, 262.0, 262.0, 272.0, 278.0, 264.0, 259.0, 259.0, 259.0, 261.0, 278.0, 282.0, 278.0, 272.0, 258.0, 254.0, 254.0, 255.0, 252.0, 256.0, 263.0, 253.0)	272.9
200.0	(274.0, 273.0, 270.0, 270.0, 271.0, 284.0, 288.0, 287.0, 281.0, 282.0, 286.0, 286.0, 284.0, 287.0, 287.0, 283.0, 284.0, 283.0, 282.0, 283.0, 282.0, 275.0, 280.0, 280.0, 268.0, 277.0, 277.0, 277.0, 277.0, 260.0, 260.0, 260.0, 268.0, 280.0, 277.0, 260.0, 261.0, 260.0, 271.0, 276.0, 269.0, 262.0, 259.0, 256.0, 256.0, 255.0, 256.0, 267.0, 259.0, 267.0, 267.0)	273.0
201.0	(274.0, 274.0, 268.0, 267.0, 271.0, 285.0, 288.0, 286.0, 283.0, 285.0, 285.0, 286.0, 286.0, 288.0, 286.0, 284.0, 282.0, 283.0, 283.0, 282.0, 282.0, 276.0, 278.0, 277.0, 279.0, 281.0, 280.0, 277.0, 275.0, 261.0, 272.0, 260.0, 260.0, 261.0, 273.0, 269.0, 264.0, 264.0, 274.0, 274.0, 260.0, 257.0, 259.0, 265.0, 253.0, 268.0, 262.0, 268.0, 265.0, 264.0, 269.0)	273.6
202.0	(274.0, 274.0, 271.0, 266.0, 272.0, 283.0, 289.0, 287.0, 286.0, 285.0, 285.0, 286.0, 286.0, 287.0, 283.0, 284.0, 281.0, 279.0, 283.0, 285.0, 283.0, 284.0, 276.0, 277.0, 279.0, 282.0, 271.0, 273.0, 282.0, 275.0, 271.0, 265.0, 260.0, 260.0, 262.0, 274.0, 262.0, 272.0, 271.0, 269.0, 257.0, 261.0, 274.0, 269.0, 269.0, 267.0, 263.0, 272.0, 270.0, 267.0, 275.0)	274.9
203.0	(274.0, 276.0, 274.0, 267.0, 271.0, 281.0, 288.0, 288.0, 287.0, 286.0, 286.0, 286.0, 286.0, 287.0, 285.0, 284.0, 280.0, 278.0, 277.0, 285.0, 284.0, 283.0, 269.0, 279.0, 276.0, 270.0, 268.0, 278.0, 281.0, 281.0, 276.0, 268.0, 283.0, 279.0, 282.0, 277.0, 260.0, 261.0, 266.0, 259.0, 268.0, 275.0, 277.0, 274.0, 276.0, 275.0, 269.0, 274.0, 270.0, 272.0, 269.0)	276.6

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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204.0	(275.0, 278.0, 278.0, 272.0, 271.0, 279.0, 288.0, 289.0, 287.0, 286.0, 286.0, 286.0, 286.0, 286.0, 285.0, 280.0, 278.0, 274.0, 279.0, 283.0, 280.0, 281.0, 273.0, 280.0, 271.0, 268.0, 269.0, 281.0, 280.0, 279.0, 279.0, 268.0, 267.0, 268.0, 271.0, 267.0, 279.0, 276.0, 266.0, 267.0, 274.0, 277.0, 277.0, 277.0, 279.0, 278.0, 275.0, 272.0, 274.0, 272.0, 273.0)	277.0
205.0	(276.0, 279.0, 279.0, 276.0, 273.0, 276.0, 288.0, 289.0, 288.0, 286.0, 286.0, 285.0, 285.0, 285.0, 284.0, 274.0, 283.0, 284.0, 280.0, 279.0, 278.0, 277.0, 275.0, 269.0, 268.0, 268.0, 273.0, 276.0, 264.0, 261.0, 261.0, 260.0, 261.0, 263.0, 271.0, 275.0, 280.0, 267.0, 260.0, 272.0, 265.0, 279.0, 279.0, 274.0, 272.0, 276.0, 275.0, 275.0, 276.0, 274.0, 267.0)	275.0
206.0	(280.0, 283.0, 283.0, 276.0, 274.0, 274.0, 287.0, 289.0, 288.0, 286.0, 286.0, 284.0, 284.0, 284.0, 285.0, 273.0, 282.0, 284.0, 275.0, 271.0, 268.0, 270.0, 268.0, 268.0, 271.0, 275.0, 277.0, 266.0, 264.0, 266.0, 260.0, 260.0, 260.0, 262.0, 275.0, 262.0, 268.0, 261.0, 262.0, 269.0, 256.0, 277.0, 271.0, 278.0, 278.0, 272.0, 278.0, 278.0, 275.0, 270.0, 277.0)	273.8
207.0	(286.0, 286.0, 284.0, 276.0, 276.0, 278.0, 290.0, 290.0, 289.0, 287.0, 287.0, 284.0, 283.0, 283.0, 284.0, 273.0, 277.0, 282.0, 273.0, 268.0, 268.0, 268.0, 268.0, 270.0, 281.0, 278.0, 272.0, 274.0, 269.0, 261.0, 261.0, 260.0, 260.0, 262.0, 264.0, 263.0, 277.0, 278.0, 271.0, 257.0, 271.0, 278.0, 277.0, 277.0, 277.0, 274.0, 275.0, 277.0, 276.0, 279.0)	274.8
208.0	(287.0, 288.0, 284.0, 276.0, 280.0, 284.0, 290.0, 288.0, 286.0, 288.0, 286.0, 284.0, 284.0, 282.0, 282.0, 272.0, 272.0, 270.0, 268.0, 268.0, 268.0, 268.0, 268.0, 277.0, 274.0, 271.0, 271.0, 273.0, 281.0, 261.0, 260.0, 259.0, 259.0, 259.0, 270.0, 279.0, 271.0, 269.0, 266.0, 273.0, 279.0, 279.0, 278.0, 277.0, 277.0, 274.0, 267.0, 267.0, 274.0)	274.4
209.0	(287.0, 289.0, 284.0, 278.0, 285.0, 290.0, 290.0, 286.0, 279.0, 285.0, 286.0, 273.0, 280.0, 283.0, 280.0, 272.0, 272.0, 277.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 279.0, 280.0, 274.0, 278.0, 269.0, 278.0, 260.0, 262.0, 261.0, 262.0, 262.0, 260.0, 261.0, 270.0, 258.0, 273.0, 278.0, 280.0, 279.0, 279.0, 277.0, 275.0, 278.0, 278.0, 278.0, 267.0)	274.4

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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210.0	(286.0, 288.0, 283.0, 285.0, 287.0, 290.0, 290.0, 290.0, 286.0, 286.0, 286.0, 273.0, 281.0, 282.0, 278.0, 274.0, 272.0, 277.0, 272.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 279.0, 276.0, 265.0, 267.0, 268.0, 264.0, 261.0, 262.0, 268.0, 260.0, 261.0, 258.0, 270.0, 279.0, 282.0, 280.0, 279.0, 277.0, 271.0, 277.0, 279.0, 279.0, 279.0, 275.0)	274.8
211.0	(286.0, 284.0, 280.0, 287.0, 290.0, 290.0, 289.0, 289.0, 288.0, 287.0, 282.0, 273.0, 279.0, 277.0, 274.0, 274.0, 274.0, 274.0, 277.0, 268.0, 268.0, 268.0, 269.0, 269.0, 268.0, 270.0, 275.0, 278.0, 270.0, 272.0, 268.0, 270.0, 264.0, 265.0, 275.0, 280.0, 259.0, 258.0, 258.0, 265.0, 282.0, 269.0, 274.0, 278.0, 278.0, 280.0, 281.0, 281.0, 280.0, 278.0, 279.0)	275.3
212.0	(286.0, 284.0, 281.0, 288.0, 292.0, 290.0, 290.0, 289.0, 287.0, 287.0, 276.0, 273.0, 276.0, 274.0, 276.0, 276.0, 280.0, 277.0, 270.0, 268.0, 268.0, 268.0, 269.0, 268.0, 268.0, 280.0, 283.0, 279.0, 273.0, 270.0, 267.0, 270.0, 264.0, 264.0, 266.0, 264.0, 260.0, 260.0, 260.0, 258.0, 259.0, 259.0, 275.0, 280.0, 280.0, 280.0, 281.0, 281.0, 279.0, 278.0, 266.0)	274.2
213.0	(287.0, 285.0, 285.0, 289.0, 291.0, 290.0, 290.0, 289.0, 288.0, 288.0, 276.0, 273.0, 283.0, 287.0, 281.0, 275.0, 277.0, 284.0, 272.0, 268.0, 268.0, 268.0, 268.0, 268.0, 271.0, 283.0, 283.0, 283.0, 275.0, 268.0, 270.0, 263.0, 270.0, 268.0, 277.0, 264.0, 266.0, 266.0, 273.0, 269.0, 259.0, 259.0, 260.0, 276.0, 281.0, 281.0, 269.0, 275.0, 262.0, 269.0, 263.0)	274.9
214.0	(288.0, 284.0, 288.0, 290.0, 292.0, 290.0, 289.0, 289.0, 288.0, 288.0, 280.0, 276.0, 285.0, 288.0, 278.0, 276.0, 272.0, 276.0, 269.0, 268.0, 268.0, 268.0, 268.0, 268.0, 281.0, 284.0, 284.0, 282.0, 280.0, 274.0, 270.0, 276.0, 277.0, 276.0, 266.0, 272.0, 270.0, 275.0, 282.0, 280.0, 262.0, 262.0, 260.0, 259.0, 261.0, 260.0, 265.0, 277.0, 260.0, 261.0, 258.0)	275.0
215.0	(289.0, 284.0, 288.0, 290.0, 292.0, 290.0, 290.0, 289.0, 288.0, 289.0, 287.0, 283.0, 286.0, 288.0, 279.0, 276.0, 272.0, 268.0, 269.0, 268.0, 268.0, 268.0, 268.0, 270.0, 282.0, 284.0, 283.0, 283.0, 277.0, 269.0, 268.0, 281.0, 279.0, 282.0, 277.0, 278.0, 271.0, 275.0, 276.0, 275.0, 259.0, 272.0, 265.0, 262.0, 261.0, 263.0, 275.0, 270.0, 265.0, 276.0, 257.0)	276.3

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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216.0	(288.0, 283.0, 288.0, 291.0, 292.0, 290.0, 290.0, 289.0, 289.0, 289.0, 286.0, 284.0, 287.0, 288.0, 282.0, 276.0, 274.0, 268.0, 269.0, 268.0, 268.0, 268.0, 268.0, 280.0, 282.0, 279.0, 284.0, 278.0, 267.0, 269.0, 272.0, 281.0, 278.0, 280.0, 273.0, 269.0, 269.0, 275.0, 275.0, 266.0, 263.0, 261.0, 269.0, 268.0, 259.0, 275.0, 267.0, 277.0, 262.0, 263.0)	275.9
217.0	(288.0, 284.0, 289.0, 290.0, 290.0, 290.0, 290.0, 289.0, 289.0, 289.0, 289.0, 284.0, 286.0, 285.0, 284.0, 280.0, 277.0, 269.0, 268.0, 268.0, 268.0, 268.0, 268.0, 272.0, 277.0, 279.0, 285.0, 278.0, 267.0, 272.0, 274.0, 282.0, 280.0, 279.0, 278.0, 264.0, 274.0, 272.0, 277.0, 278.0, 279.0, 271.0, 276.0, 277.0, 277.0, 275.0, 278.0, 272.0, 264.0, 274.0)	277.9
218.0	(288.0, 287.0, 288.0, 290.0, 290.0, 290.0, 290.0, 289.0, 289.0, 289.0, 290.0, 287.0, 287.0, 287.0, 287.0, 282.0, 277.0, 269.0, 268.0, 268.0, 268.0, 268.0, 268.0, 272.0, 277.0, 279.0, 285.0, 271.0, 273.0, 274.0, 268.0, 278.0, 281.0, 279.0, 281.0, 275.0, 280.0, 276.0, 279.0, 279.0, 278.0, 271.0, 279.0, 278.0, 276.0, 278.0, 278.0, 277.0, 271.0, 277.0)	278.8
219.0	(287.0, 287.0, 289.0, 290.0, 290.0, 290.0, 289.0, 289.0, 289.0, 289.0, 290.0, 289.0, 287.0, 287.0, 283.0, 276.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 271.0, 280.0, 277.0, 280.0, 275.0, 274.0, 277.0, 282.0, 279.0, 280.0, 278.0, 280.0, 281.0, 281.0, 278.0, 280.0, 280.0, 275.0, 275.0, 276.0, 281.0, 279.0, 279.0, 278.0, 269.0, 273.0, 278.0)	279.5
220.0	(287.0, 289.0, 289.0, 290.0, 290.0, 290.0, 288.0, 289.0, 289.0, 289.0, 291.0, 287.0, 288.0, 283.0, 281.0, 282.0, 270.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 270.0, 268.0, 280.0, 281.0, 279.0, 271.0, 283.0, 272.0, 282.0, 281.0, 274.0, 275.0, 277.0, 280.0, 282.0, 281.0, 279.0, 280.0, 280.0, 281.0, 281.0, 274.0, 279.0, 277.0, 274.0, 276.0, 270.0, 276.0, 275.0)	279.2
221.0	(286.0, 289.0, 289.0, 290.0, 290.0, 290.0, 287.0, 289.0, 289.0, 289.0, 290.0, 287.0, 283.0, 280.0, 273.0, 281.0, 273.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 274.0, 280.0, 275.0, 281.0, 284.0, 269.0, 274.0, 281.0, 278.0, 277.0, 280.0, 281.0, 281.0, 282.0, 280.0, 280.0, 281.0, 282.0, 282.0, 278.0, 273.0, 269.0, 270.0, 276.0, 269.0, 278.0, 278.0)	278.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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222.0	(286.0, 289.0, 289.0, 290.0, 290.0, 289.0, 287.0, 289.0, 289.0, 289.0, 289.0, 285.0, 276.0, 273.0, 271.0, 282.0, 276.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 275.0, 279.0, 276.0, 276.0, 282.0, 282.0, 270.0, 277.0, 280.0, 279.0, 279.0, 278.0, 280.0, 281.0, 281.0, 281.0, 281.0, 282.0, 280.0, 275.0, 277.0, 276.0, 277.0, 272.0, 277.0, 276.0, 281.0)	278.8
223.0	(286.0, 289.0, 289.0, 290.0, 289.0, 290.0, 286.0, 289.0, 289.0, 289.0, 289.0, 286.0, 277.0, 284.0, 276.0, 274.0, 269.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 278.0, 280.0, 276.0, 273.0, 277.0, 286.0, 280.0, 276.0, 282.0, 275.0, 280.0, 280.0, 282.0, 280.0, 280.0, 281.0, 281.0, 280.0, 281.0, 281.0, 276.0, 281.0, 277.0, 277.0, 278.0, 283.0, 281.0)	279.5
224.0	(287.0, 289.0, 289.0, 289.0, 289.0, 289.0, 285.0, 289.0, 290.0, 290.0, 282.0, 279.0, 277.0, 283.0, 284.0, 280.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 274.0, 279.0, 281.0, 278.0, 283.0, 279.0, 285.0, 282.0, 273.0, 277.0, 276.0, 280.0, 281.0, 281.0, 280.0, 280.0, 279.0, 278.0, 280.0, 282.0, 280.0, 278.0, 281.0, 275.0, 281.0, 280.0, 282.0, 282.0)	279.7
225.0	(288.0, 289.0, 289.0, 289.0, 289.0, 289.0, 288.0, 289.0, 289.0, 288.0, 280.0, 279.0, 281.0, 281.0, 275.0, 270.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 278.0, 281.0, 283.0, 274.0, 281.0, 284.0, 285.0, 281.0, 274.0, 274.0, 282.0, 281.0, 282.0, 282.0, 281.0, 281.0, 281.0, 280.0, 282.0, 284.0, 284.0, 281.0, 277.0, 279.0, 278.0, 281.0, 281.0, 282.0)	279.9
226.0	(289.0, 289.0, 289.0, 289.0, 289.0, 290.0, 289.0, 289.0, 288.0, 287.0, 281.0, 283.0, 288.0, 285.0, 277.0, 273.0, 272.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 281.0, 274.0, 274.0, 273.0, 272.0, 271.0, 279.0, 277.0, 280.0, 278.0, 282.0, 282.0, 282.0, 283.0, 282.0, 281.0, 278.0, 279.0, 282.0, 284.0, 284.0, 282.0, 280.0, 282.0, 277.0, 277.0, 280.0, 281.0)	279.7
227.0	(289.0, 289.0, 289.0, 289.0, 289.0, 290.0, 290.0, 289.0, 288.0, 285.0, 282.0, 284.0, 290.0, 287.0, 281.0, 277.0, 276.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 278.0, 271.0, 270.0, 273.0, 272.0, 275.0, 284.0, 285.0, 280.0, 280.0, 282.0, 283.0, 281.0, 283.0, 283.0, 282.0, 282.0, 282.0, 282.0, 283.0, 283.0, 281.0, 280.0, 280.0, 274.0, 269.0, 274.0, 282.0)	279.9

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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228.0	(290.0, 289.0, 289.0, 289.0, 290.0, 291.0, 290.0, 289.0, 289.0, 286.0, 285.0, 286.0, 290.0, 289.0, 280.0, 279.0, 278.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 271.0, 274.0, 285.0, 278.0, 271.0, 276.0, 284.0, 283.0, 284.0, 283.0, 283.0, 283.0, 282.0, 281.0, 281.0, 281.0, 284.0, 284.0, 283.0, 283.0, 281.0, 280.0, 282.0, 282.0, 280.0, 270.0, 275.0, 283.0)	280.9
229.0	(290.0, 289.0, 289.0, 290.0, 290.0, 291.0, 290.0, 289.0, 289.0, 287.0, 289.0, 288.0, 288.0, 291.0, 284.0, 275.0, 278.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 271.0, 274.0, 285.0, 275.0, 270.0, 270.0, 285.0, 285.0, 283.0, 283.0, 285.0, 284.0, 284.0, 283.0, 280.0, 281.0, 284.0, 284.0, 283.0, 282.0, 281.0, 283.0, 283.0, 282.0, 280.0, 277.0, 276.0, 270.0)	281.0
230.0	(290.0, 289.0, 290.0, 290.0, 291.0, 292.0, 290.0, 290.0, 289.0, 287.0, 290.0, 290.0, 284.0, 288.0, 284.0, 273.0, 274.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 269.0, 275.0, 277.0, 270.0, 270.0, 273.0, 282.0, 281.0, 284.0, 281.0, 284.0, 284.0, 283.0, 284.0, 282.0, 283.0, 283.0, 284.0, 282.0, 281.0, 283.0, 284.0, 283.0, 282.0, 280.0, 275.0, 270.0, 278.0)	280.5
231.0	(290.0, 289.0, 289.0, 290.0, 291.0, 292.0, 290.0, 290.0, 290.0, 290.0, 290.0, 291.0, 281.0, 284.0, 276.0, 270.0, 274.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 274.0, 273.0, 271.0, 272.0, 276.0, 285.0, 284.0, 281.0, 285.0, 284.0, 283.0, 281.0, 273.0, 277.0, 281.0, 283.0, 277.0, 283.0, 280.0, 273.0, 279.0, 285.0, 280.0, 280.0, 274.0, 282.0, 280.0, 281.0)	280.0
232.0	(291.0, 289.0, 290.0, 290.0, 292.0, 292.0, 289.0, 291.0, 291.0, 290.0, 289.0, 289.0, 283.0, 284.0, 271.0, 272.0, 277.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 270.0, 268.0, 269.0, 277.0, 276.0, 278.0, 274.0, 279.0, 287.0, 285.0, 284.0, 284.0, 278.0, 273.0, 273.0, 273.0, 273.0, 278.0, 275.0, 275.0, 283.0, 284.0, 282.0, 283.0, 284.0, 284.0, 283.0, 280.0)	279.6
233.0	(290.0, 289.0, 290.0, 290.0, 292.0, 290.0, 291.0, 292.0, 290.0, 289.0, 289.0, 286.0, 286.0, 285.0, 270.0, 274.0, 276.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 271.0, 268.0, 274.0, 274.0, 275.0, 273.0, 278.0, 282.0, 277.0, 284.0, 284.0, 284.0, 284.0, 280.0, 274.0, 274.0, 277.0, 280.0, 281.0, 281.0, 280.0, 280.0, 282.0, 283.0, 283.0, 282.0, 281.0, 282.0)	279.9

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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234.0	(291.0, 290.0, 289.0, 291.0, 292.0, 293.0, 293.0, 292.0, 291.0, 288.0, 291.0, 287.0, 283.0, 287.0, 274.0, 272.0, 276.0, 268.0, 268.0, 268.0, 268.0, 271.0, 272.0, 271.0, 269.0, 272.0, 271.0, 275.0, 277.0, 279.0, 282.0, 283.0, 282.0, 283.0, 283.0, 282.0, 281.0, 282.0, 283.0, 282.0, 281.0, 281.0, 278.0, 276.0, 277.0, 281.0, 283.0, 279.0, 280.0, 280.0, 281.0)	280.4
235.0	(291.0, 290.0, 290.0, 291.0, 293.0, 293.0, 292.0, 292.0, 291.0, 287.0, 290.0, 289.0, 283.0, 286.0, 277.0, 271.0, 279.0, 268.0, 268.0, 268.0, 268.0, 268.0, 276.0, 274.0, 270.0, 274.0, 276.0, 280.0, 280.0, 280.0, 281.0, 284.0, 283.0, 283.0, 281.0, 283.0, 283.0, 283.0, 281.0, 283.0, 279.0, 282.0, 280.0, 273.0, 275.0, 281.0, 283.0, 282.0, 280.0, 283.0, 283.0)	281.0
236.0	(291.0, 290.0, 289.0, 286.0, 293.0, 292.0, 293.0, 293.0, 291.0, 287.0, 284.0, 287.0, 283.0, 288.0, 282.0, 273.0, 274.0, 268.0, 268.0, 268.0, 268.0, 268.0, 282.0, 271.0, 275.0, 277.0, 277.0, 279.0, 280.0, 280.0, 284.0, 283.0, 284.0, 284.0, 282.0, 286.0, 283.0, 283.0, 283.0, 280.0, 279.0, 281.0, 283.0, 279.0, 273.0, 282.0, 284.0, 284.0, 283.0, 285.0, 285.0)	281.5
237.0	(291.0, 290.0, 290.0, 286.0, 292.0, 291.0, 293.0, 293.0, 288.0, 286.0, 286.0, 280.0, 279.0, 288.0, 285.0, 273.0, 269.0, 268.0, 268.0, 268.0, 268.0, 268.0, 271.0, 270.0, 271.0, 284.0, 283.0, 278.0, 280.0, 280.0, 282.0, 283.0, 284.0, 284.0, 283.0, 282.0, 285.0, 283.0, 283.0, 279.0, 277.0, 283.0, 284.0, 284.0, 284.0, 278.0, 281.0, 284.0, 284.0, 285.0, 283.0)	281.2
238.0	(291.0, 290.0, 290.0, 290.0, 291.0, 289.0, 293.0, 293.0, 285.0, 282.0, 288.0, 280.0, 279.0, 286.0, 284.0, 272.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 271.0, 272.0, 274.0, 286.0, 281.0, 276.0, 277.0, 279.0, 280.0, 283.0, 283.0, 283.0, 282.0, 280.0, 284.0, 285.0, 283.0, 284.0, 281.0, 284.0, 284.0, 285.0, 284.0, 283.0, 284.0, 285.0, 283.0, 284.0, 282.0)	281.2
239.0	(292.0, 290.0, 291.0, 290.0, 291.0, 289.0, 291.0, 289.0, 286.0, 283.0, 283.0, 283.0, 279.0, 284.0, 281.0, 271.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 279.0, 272.0, 274.0, 283.0, 276.0, 276.0, 280.0, 283.0, 280.0, 277.0, 282.0, 283.0, 283.0, 283.0, 280.0, 281.0, 283.0, 283.0, 283.0, 283.0, 282.0, 283.0, 283.0, 284.0, 286.0, 285.0, 281.0, 282.0, 279.0)	280.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N 85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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240.0	(292.0, 291.0, 292.0, 291.0, 291.0, 289.0, 289.0, 291.0, 290.0, 288.0, 280.0, 278.0, 278.0, 283.0, 278.0, 271.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 285.0, 271.0, 277.0, 274.0, 279.0, 277.0, 283.0, 285.0, 282.0, 281.0, 283.0, 283.0, 283.0, 283.0, 282.0, 283.0, 283.0, 283.0, 283.0, 284.0, 282.0, 280.0, 285.0, 284.0, 282.0, 283.0, 282.0, 270.0, 265.0)	280.5
241.0	(293.0, 292.0, 292.0, 292.0, 292.0, 288.0, 289.0, 293.0, 290.0, 290.0, 280.0, 280.0, 278.0, 285.0, 277.0, 271.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 276.0, 284.0, 281.0, 284.0, 281.0, 281.0, 282.0, 285.0, 285.0, 281.0, 284.0, 286.0, 283.0, 284.0, 284.0, 285.0, 283.0, 283.0, 283.0, 273.0, 270.0, 275.0, 274.0, 269.0, 277.0, 280.0, 276.0, 271.0, 273.0)	280.2
242.0	(293.0, 292.0, 292.0, 292.0, 292.0, 291.0, 289.0, 293.0, 290.0, 290.0, 281.0, 286.0, 280.0, 287.0, 279.0, 272.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 278.0, 274.0, 281.0, 281.0, 275.0, 283.0, 285.0, 283.0, 286.0, 287.0, 284.0, 283.0, 284.0, 285.0, 285.0, 285.0, 284.0, 283.0, 283.0, 281.0, 274.0, 282.0, 283.0, 282.0, 278.0, 270.0, 265.0, 263.0, 259.0)	280.4
243.0	(294.0, 292.0, 292.0, 292.0, 292.0, 290.0, 290.0, 292.0, 291.0, 288.0, 281.0, 284.0, 284.0, 288.0, 283.0, 274.0, 268.0, 268.0, 268.0, 268.0, 268.0, 268.0, 279.0, 271.0, 271.0, 272.0, 273.0, 278.0, 284.0, 285.0, 285.0, 287.0, 282.0, 284.0, 286.0, 286.0, 286.0, 284.0, 283.0, 284.0, 284.0, 284.0, 279.0, 277.0, 280.0, 280.0, 274.0, 268.0, 263.0, 278.0, 265.0)	280.3
244.0	(294.0, 292.0, 292.0, 292.0, 292.0, 290.0, 292.0, 291.0, 290.0, 289.0, 287.0, 283.0, 287.0, 288.0, 283.0, 273.0, 271.0, 268.0, 268.0, 268.0, 268.0, 272.0, 283.0, 271.0, 271.0, 274.0, 285.0, 275.0, 278.0, 285.0, 281.0, 280.0, 281.0, 283.0, 287.0, 285.0, 284.0, 284.0, 284.0, 278.0, 281.0, 285.0, 286.0, 279.0, 279.0, 272.0, 264.0, 264.0, 272.0, 275.0, 269.0)	280.2
245.0	(294.0, 293.0, 292.0, 292.0, 290.0, 290.0, 292.0, 291.0, 290.0, 290.0, 287.0, 279.0, 288.0, 289.0, 285.0, 273.0, 273.0, 268.0, 268.0, 268.0, 268.0, 284.0, 280.0, 271.0, 271.0, 281.0, 279.0, 280.0, 282.0, 281.0, 279.0, 280.0, 284.0, 284.0, 285.0, 282.0, 281.0, 284.0, 283.0, 280.0, 283.0, 284.0, 280.0, 280.0, 282.0, 268.0, 266.0, 275.0, 283.0, 273.0, 274.0)	280.9

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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246.0	(295.0, 293.0, 292.0, 292.0, 289.0, 290.0, 292.0, 290.0, 290.0, 287.0, 283.0, 278.0, 287.0, 289.0, 287.0, 275.0, 276.0, 272.0, 268.0, 268.0, 268.0, 272.0, 271.0, 271.0, 272.0, 288.0, 284.0, 283.0, 283.0, 281.0, 280.0, 283.0, 284.0, 283.0, 280.0, 280.0, 282.0, 280.0, 283.0, 274.0, 283.0, 280.0, 277.0, 279.0, 274.0, 268.0, 277.0, 281.0, 284.0, 276.0, 279.0)	280.8
247.0	(295.0, 293.0, 292.0, 292.0, 291.0, 292.0, 292.0, 290.0, 289.0, 286.0, 282.0, 278.0, 284.0, 287.0, 288.0, 279.0, 278.0, 272.0, 270.0, 272.0, 274.0, 275.0, 271.0, 271.0, 272.0, 288.0, 285.0, 286.0, 286.0, 286.0, 286.0, 286.0, 282.0, 283.0, 282.0, 280.0, 276.0, 280.0, 283.0, 279.0, 273.0, 272.0, 273.0, 268.0, 276.0, 276.0, 280.0, 290.0, 282.0, 286.0)	281.6
248.0	(295.0, 293.0, 293.0, 292.0, 292.0, 292.0, 292.0, 290.0, 289.0, 283.0, 283.0, 278.0, 278.0, 287.0, 287.0, 280.0, 279.0, 272.0, 274.0, 274.0, 275.0, 274.0, 271.0, 271.0, 273.0, 287.0, 286.0, 286.0, 286.0, 286.0, 286.0, 287.0, 282.0, 283.0, 282.0, 279.0, 276.0, 284.0, 283.0, 276.0, 276.0, 279.0, 280.0, 270.0, 271.0, 276.0, 285.0, 292.0, 286.0, 285.0)	282.1
249.0	(294.0, 292.0, 293.0, 292.0, 293.0, 291.0, 292.0, 287.0, 286.0, 280.0, 282.0, 278.0, 278.0, 290.0, 289.0, 281.0, 279.0, 274.0, 274.0, 274.0, 280.0, 279.0, 271.0, 271.0, 286.0, 286.0, 286.0, 286.0, 285.0, 286.0, 284.0, 287.0, 289.0, 283.0, 283.0, 285.0, 286.0, 283.0, 281.0, 282.0, 276.0, 275.0, 281.0, 279.0, 274.0, 277.0, 275.0, 286.0, 294.0, 295.0, 291.0)	283.3
250.0	(291.0, 288.0, 293.0, 292.0, 293.0, 292.0, 292.0, 287.0, 284.0, 280.0, 278.0, 283.0, 284.0, 290.0, 290.0, 280.0, 281.0, 275.0, 278.0, 272.0, 277.0, 271.0, 271.0, 279.0, 286.0, 286.0, 286.0, 286.0, 286.0, 286.0, 285.0, 286.0, 288.0, 283.0, 284.0, 284.0, 284.0, 285.0, 283.0, 280.0, 278.0, 278.0, 280.0, 280.0, 278.0, 273.0, 283.0, 287.0, 295.0, 296.0, 295.0)	283.8
251.0	(290.0, 287.0, 293.0, 292.0, 293.0, 292.0, 292.0, 288.0, 284.0, 279.0, 281.0, 288.0, 287.0, 288.0, 289.0, 282.0, 285.0, 275.0, 284.0, 277.0, 274.0, 271.0, 271.0, 277.0, 285.0, 286.0, 286.0, 286.0, 286.0, 286.0, 286.0, 286.0, 287.0, 284.0, 285.0, 284.0, 281.0, 281.0, 284.0, 283.0, 282.0, 280.0, 281.0, 279.0, 281.0, 275.0, 276.0, 285.0, 293.0, 296.0, 297.0)	284.2

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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252.0	(290.0, 285.0, 294.0, 293.0, 293.0, 292.0, 292.0, 290.0, 287.0, 282.0, 288.0, 285.0, 284.0, 290.0, 290.0, 289.0, 286.0, 276.0, 273.0, 283.0, 275.0, 272.0, 273.0, 274.0, 286.0, 286.0, 285.0, 286.0, 286.0, 286.0, 286.0, 286.0, 286.0, 286.0, 285.0, 286.0, 283.0, 285.0, 287.0, 283.0, 282.0, 278.0, 277.0, 280.0, 283.0, 282.0, 287.0, 284.0, 288.0, 295.0, 296.0)	284.9
253.0	(289.0, 283.0, 294.0, 294.0, 293.0, 293.0, 290.0, 289.0, 288.0, 289.0, 286.0, 287.0, 284.0, 293.0, 291.0, 290.0, 284.0, 281.0, 284.0, 287.0, 280.0, 279.0, 285.0, 281.0, 284.0, 283.0, 284.0, 285.0, 286.0, 284.0, 285.0, 287.0, 286.0, 286.0, 286.0, 286.0, 284.0, 286.0, 287.0, 276.0, 277.0, 280.0, 283.0, 280.0, 285.0, 283.0, 291.0, 286.0, 290.0, 290.0, 298.0)	286.1
254.0	(286.0, 283.0, 295.0, 294.0, 292.0, 293.0, 290.0, 288.0, 290.0, 288.0, 286.0, 286.0, 287.0, 293.0, 293.0, 290.0, 282.0, 275.0, 286.0, 285.0, 288.0, 287.0, 286.0, 282.0, 284.0, 281.0, 283.0, 285.0, 285.0, 284.0, 286.0, 287.0, 286.0, 283.0, 286.0, 286.0, 284.0, 284.0, 281.0, 276.0, 282.0, 288.0, 286.0, 288.0, 285.0, 286.0, 292.0, 290.0, 295.0, 295.0, 300.0)	286.9
255.0	(286.0, 284.0, 295.0, 294.0, 292.0, 293.0, 290.0, 289.0, 290.0, 289.0, 286.0, 285.0, 290.0, 293.0, 293.0, 285.0, 278.0, 275.0, 280.0, 286.0, 289.0, 288.0, 286.0, 284.0, 283.0, 284.0, 284.0, 287.0, 286.0, 284.0, 287.0, 287.0, 287.0, 284.0, 286.0, 287.0, 285.0, 284.0, 277.0, 282.0, 284.0, 290.0, 289.0, 285.0, 284.0, 285.0, 293.0, 296.0, 299.0, 299.0, 303.0)	287.5
256.0	(284.0, 285.0, 295.0, 294.0, 293.0, 292.0, 291.0, 288.0, 287.0, 293.0, 289.0, 284.0, 291.0, 293.0, 292.0, 289.0, 277.0, 276.0, 276.0, 289.0, 290.0, 284.0, 279.0, 281.0, 284.0, 285.0, 286.0, 288.0, 287.0, 289.0, 288.0, 287.0, 284.0, 286.0, 286.0, 284.0, 286.0, 279.0, 280.0, 281.0, 288.0, 292.0, 292.0, 286.0, 289.0, 282.0, 293.0, 296.0, 300.0, 302.0, 304.0)	287.8
257.0	(285.0, 286.0, 296.0, 296.0, 293.0, 292.0, 293.0, 286.0, 287.0, 292.0, 289.0, 289.0, 292.0, 293.0, 292.0, 290.0, 277.0, 276.0, 276.0, 289.0, 290.0, 278.0, 278.0, 278.0, 285.0, 285.0, 285.0, 288.0, 288.0, 283.0, 281.0, 289.0, 288.0, 286.0, 286.0, 286.0, 281.0, 278.0, 282.0, 284.0, 288.0, 293.0, 295.0, 293.0, 284.0, 286.0, 290.0, 284.0, 298.0, 309.0, 307.0)	287.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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258.0	(283.0, 292.0, 296.0, 294.0, 294.0, 293.0, 292.0, 286.0, 287.0, 290.0, 290.0, 292.0, 292.0, 292.0, 291.0, 289.0, 282.0, 277.0, 277.0, 289.0, 289.0, 289.0, 284.0, 281.0, 285.0, 286.0, 285.0, 282.0, 285.0, 284.0, 278.0, 280.0, 285.0, 286.0, 287.0, 283.0, 280.0, 278.0, 286.0, 284.0, 292.0, 294.0, 296.0, 293.0, 285.0, 289.0, 294.0, 312.0, 298.0, 302.0, 304.0)	288.6
259.0	(283.0, 292.0, 296.0, 295.0, 295.0, 293.0, 292.0, 285.0, 289.0, 291.0, 289.0, 292.0, 292.0, 292.0, 290.0, 290.0, 286.0, 284.0, 276.0, 292.0, 288.0, 289.0, 288.0, 285.0, 285.0, 286.0, 282.0, 279.0, 278.0, 281.0, 278.0, 284.0, 283.0, 286.0, 282.0, 282.0, 276.0, 284.0, 290.0, 291.0, 293.0, 296.0, 287.0, 285.0, 295.0, 298.0, 310.0, 309.0, 308.0, 296.0, 289.0)	289.1
260.0	(282.0, 293.0, 296.0, 296.0, 296.0, 293.0, 288.0, 287.0, 289.0, 292.0, 288.0, 292.0, 290.0, 291.0, 290.0, 292.0, 284.0, 284.0, 279.0, 289.0, 290.0, 289.0, 289.0, 286.0, 286.0, 287.0, 283.0, 283.0, 278.0, 280.0, 278.0, 285.0, 287.0, 282.0, 285.0, 284.0, 276.0, 280.0, 294.0, 296.0, 290.0, 287.0, 290.0, 283.0, 289.0, 301.0, 308.0, 308.0, 305.0, 296.0, 280.0)	288.9
261.0	(282.0, 292.0, 296.0, 296.0, 295.0, 294.0, 289.0, 291.0, 293.0, 288.0, 289.0, 292.0, 291.0, 290.0, 292.0, 293.0, 288.0, 293.0, 283.0, 275.0, 288.0, 290.0, 291.0, 287.0, 285.0, 287.0, 280.0, 287.0, 278.0, 278.0, 279.0, 287.0, 283.0, 286.0, 288.0, 281.0, 276.0, 284.0, 298.0, 296.0, 293.0, 299.0, 281.0, 283.0, 302.0, 297.0, 301.0, 304.0, 300.0, 290.0, 280.0)	289.2
262.0	(282.0, 289.0, 298.0, 295.0, 295.0, 294.0, 284.0, 288.0, 290.0, 285.0, 288.0, 293.0, 290.0, 288.0, 292.0, 289.0, 289.0, 292.0, 287.0, 276.0, 278.0, 293.0, 292.0, 290.0, 284.0, 286.0, 284.0, 279.0, 278.0, 278.0, 285.0, 281.0, 281.0, 290.0, 289.0, 278.0, 276.0, 293.0, 299.0, 296.0, 297.0, 294.0, 275.0, 294.0, 294.0, 309.0, 300.0, 301.0, 287.0, 299.0, 286.0)	289.0
263.0	(282.0, 287.0, 297.0, 296.0, 295.0, 292.0, 282.0, 294.0, 287.0, 286.0, 284.0, 288.0, 290.0, 289.0, 290.0, 289.0, 292.0, 292.0, 290.0, 289.0, 291.0, 293.0, 292.0, 289.0, 285.0, 287.0, 284.0, 280.0, 285.0, 282.0, 281.0, 284.0, 278.0, 291.0, 289.0, 290.0, 290.0, 297.0, 300.0, 294.0, 288.0, 290.0, 295.0, 307.0, 303.0, 306.0, 290.0, 283.0, 296.0, 298.0, 289.0)	290.3

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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264.0	(282.0, 285.0, 296.0, 294.0, 295.0, 287.0, 282.0, 294.0, 283.0, 285.0, 281.0, 281.0, 292.0, 292.0, 291.0, 290.0, 293.0, 291.0, 290.0, 294.0, 294.0, 294.0, 293.0, 290.0, 286.0, 279.0, 286.0, 289.0, 291.0, 289.0, 281.0, 285.0, 278.0, 287.0, 293.0, 291.0, 298.0, 299.0, 294.0, 293.0, 288.0, 301.0, 314.0, 302.0, 304.0, 283.0, 294.0, 303.0, 287.0, 286.0, 292.0)	290.8
265.0	(284.0, 287.0, 296.0, 293.0, 296.0, 290.0, 282.0, 293.0, 284.0, 285.0, 281.0, 281.0, 293.0, 294.0, 294.0, 292.0, 293.0, 290.0, 291.0, 296.0, 297.0, 295.0, 293.0, 293.0, 292.0, 287.0, 286.0, 292.0, 290.0, 287.0, 278.0, 278.0, 280.0, 287.0, 289.0, 289.0, 300.0, 299.0, 294.0, 300.0, 304.0, 307.0, 300.0, 299.0, 301.0, 308.0, 302.0, 277.0, 276.0, 292.0, 295.0)	291.6
266.0	(285.0, 290.0, 294.0, 294.0, 296.0, 288.0, 282.0, 292.0, 284.0, 286.0, 281.0, 290.0, 289.0, 288.0, 295.0, 293.0, 290.0, 289.0, 293.0, 296.0, 298.0, 295.0, 293.0, 293.0, 292.0, 293.0, 292.0, 292.0, 289.0, 284.0, 279.0, 280.0, 285.0, 288.0, 294.0, 301.0, 302.0, 294.0, 298.0, 302.0, 311.0, 306.0, 299.0, 304.0, 304.0, 293.0, 280.0, 275.0, 292.0, 294.0, 293.0)	292.1
267.0	(286.0, 293.0, 295.0, 294.0, 296.0, 288.0, 282.0, 288.0, 285.0, 285.0, 281.0, 294.0, 284.0, 287.0, 294.0, 291.0, 291.0, 291.0, 292.0, 292.0, 297.0, 295.0, 294.0, 293.0, 292.0, 289.0, 292.0, 293.0, 280.0, 278.0, 278.0, 280.0, 287.0, 290.0, 295.0, 302.0, 303.0, 302.0, 302.0, 307.0, 306.0, 295.0, 306.0, 303.0, 301.0, 291.0, 278.0, 282.0, 287.0, 294.0, 300.0)	291.9
268.0	(286.0, 294.0, 296.0, 293.0, 294.0, 291.0, 282.0, 289.0, 288.0, 283.0, 281.0, 289.0, 286.0, 287.0, 290.0, 292.0, 294.0, 292.0, 290.0, 295.0, 292.0, 295.0, 292.0, 292.0, 293.0, 292.0, 292.0, 292.0, 284.0, 278.0, 278.0, 278.0, 286.0, 292.0, 294.0, 300.0, 302.0, 302.0, 300.0, 306.0, 305.0, 299.0, 300.0, 305.0, 301.0, 291.0, 289.0, 289.0, 287.0, 276.0, 287.0)	291.5
269.0	(286.0, 296.0, 296.0, 291.0, 293.0, 293.0, 282.0, 288.0, 293.0, 283.0, 281.0, 283.0, 291.0, 293.0, 289.0, 292.0, 295.0, 292.0, 291.0, 291.0, 292.0, 295.0, 292.0, 293.0, 293.0, 292.0, 292.0, 292.0, 286.0, 278.0, 286.0, 281.0, 291.0, 291.0, 299.0, 296.0, 306.0, 307.0, 303.0, 308.0, 289.0, 288.0, 294.0, 302.0, 299.0, 295.0, 296.0, 287.0, 298.0, 279.0, 280.0)	291.9

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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270.0	(287.0, 296.0, 296.0, 289.0, 293.0, 290.0, 283.0, 288.0, 292.0, 284.0, 281.0, 281.0, 292.0, 288.0, 290.0, 292.0, 294.0, 291.0, 292.0, 290.0, 292.0, 292.0, 293.0, 293.0, 293.0, 293.0, 292.0, 289.0, 290.0, 283.0, 286.0, 283.0, 287.0, 297.0, 302.0, 300.0, 295.0, 306.0, 301.0, 310.0, 311.0, 310.0, 308.0, 300.0, 301.0, 297.0, 289.0, 286.0, 292.0, 298.0, 285.0)	293.1
271.0	(286.0, 295.0, 297.0, 288.0, 293.0, 285.0, 283.0, 285.0, 289.0, 291.0, 281.0, 284.0, 291.0, 289.0, 290.0, 291.0, 295.0, 292.0, 289.0, 290.0, 292.0, 290.0, 293.0, 293.0, 294.0, 294.0, 293.0, 292.0, 278.0, 287.0, 289.0, 280.0, 279.0, 295.0, 303.0, 302.0, 304.0, 301.0, 308.0, 309.0, 300.0, 307.0, 308.0, 298.0, 299.0, 296.0, 290.0, 286.0, 284.0, 273.0, 281.0)	291.9
272.0	(288.0, 294.0, 297.0, 290.0, 291.0, 288.0, 284.0, 285.0, 289.0, 293.0, 282.0, 286.0, 292.0, 291.0, 292.0, 292.0, 293.0, 294.0, 289.0, 291.0, 292.0, 291.0, 294.0, 294.0, 296.0, 295.0, 292.0, 290.0, 285.0, 289.0, 290.0, 287.0, 281.0, 301.0, 302.0, 302.0, 304.0, 307.0, 308.0, 295.0, 291.0, 299.0, 293.0, 299.0, 290.0, 295.0, 291.0, 290.0, 288.0, 274.0, 267.0)	291.7
273.0	(287.0, 294.0, 298.0, 292.0, 288.0, 282.0, 283.0, 289.0, 294.0, 293.0, 283.0, 283.0, 295.0, 293.0, 293.0, 292.0, 291.0, 293.0, 293.0, 293.0, 295.0, 293.0, 295.0, 295.0, 296.0, 293.0, 290.0, 286.0, 290.0, 286.0, 283.0, 287.0, 283.0, 302.0, 303.0, 301.0, 303.0, 311.0, 307.0, 303.0, 283.0, 283.0, 287.0, 293.0, 284.0, 290.0, 296.0, 293.0, 291.0, 276.0, 279.0)	291.6
274.0	(286.0, 295.0, 296.0, 292.0, 282.0, 282.0, 282.0, 291.0, 296.0, 291.0, 283.0, 284.0, 295.0, 293.0, 292.0, 288.0, 289.0, 292.0, 293.0, 296.0, 296.0, 294.0, 295.0, 296.0, 294.0, 292.0, 292.0, 281.0, 281.0, 281.0, 283.0, 288.0, 296.0, 296.0, 289.0, 298.0, 310.0, 311.0, 304.0, 299.0, 292.0, 289.0, 293.0, 282.0, 280.0, 285.0, 292.0, 286.0, 282.0, 270.0, 278.0)	290.3
275.0	(286.0, 295.0, 296.0, 292.0, 282.0, 282.0, 282.0, 290.0, 295.0, 288.0, 283.0, 284.0, 293.0, 287.0, 288.0, 287.0, 292.0, 292.0, 293.0, 295.0, 297.0, 294.0, 296.0, 295.0, 293.0, 295.0, 290.0, 281.0, 281.0, 283.0, 281.0, 281.0, 289.0, 299.0, 300.0, 311.0, 311.0, 312.0, 307.0, 309.0, 301.0, 289.0, 297.0, 298.0, 285.0, 279.0, 282.0, 282.0, 270.0, 271.0, 286.0)	290.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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276.0	(286.0, 295.0, 298.0, 293.0, 282.0, 282.0, 282.0, 291.0, 294.0, 289.0, 289.0, 289.0, 291.0, 284.0, 286.0, 290.0, 293.0, 295.0, 292.0, 297.0, 297.0, 296.0, 296.0, 296.0, 283.0, 292.0, 286.0, 281.0, 281.0, 281.0, 281.0, 284.0, 288.0, 302.0, 308.0, 317.0, 312.0, 312.0, 312.0, 312.0, 297.0, 292.0, 287.0, 299.0, 281.0, 288.0, 281.0, 281.0, 283.0, 285.0, 277.0)	291.6
277.0	(286.0, 296.0, 300.0, 293.0, 290.0, 285.0, 288.0, 292.0, 287.0, 290.0, 291.0, 285.0, 286.0, 287.0, 286.0, 290.0, 293.0, 295.0, 295.0, 299.0, 297.0, 296.0, 293.0, 297.0, 284.0, 293.0, 281.0, 281.0, 281.0, 281.0, 282.0, 288.0, 296.0, 304.0, 309.0, 315.0, 314.0, 313.0, 315.0, 303.0, 296.0, 290.0, 285.0, 283.0, 283.0, 290.0, 288.0, 270.0, 270.0, 275.0, 278.0)	291.2
278.0	(284.0, 296.0, 300.0, 295.0, 291.0, 289.0, 289.0, 291.0, 283.0, 290.0, 292.0, 286.0, 287.0, 288.0, 286.0, 290.0, 293.0, 295.0, 298.0, 298.0, 297.0, 296.0, 291.0, 295.0, 286.0, 288.0, 281.0, 281.0, 281.0, 281.0, 287.0, 291.0, 296.0, 297.0, 302.0, 305.0, 314.0, 311.0, 306.0, 298.0, 292.0, 293.0, 293.0, 291.0, 286.0, 295.0, 271.0, 270.0, 279.0, 272.0, 278.0)	290.8
279.0	(283.0, 292.0, 299.0, 299.0, 293.0, 286.0, 286.0, 291.0, 283.0, 288.0, 294.0, 287.0, 291.0, 290.0, 289.0, 290.0, 292.0, 295.0, 300.0, 299.0, 296.0, 296.0, 294.0, 293.0, 291.0, 291.0, 281.0, 281.0, 281.0, 281.0, 289.0, 294.0, 309.0, 301.0, 307.0, 301.0, 311.0, 303.0, 301.0, 295.0, 286.0, 292.0, 288.0, 292.0, 284.0, 274.0, 275.0, 271.0, 279.0, 281.0, 272.0)	290.7
280.0	(283.0, 287.0, 298.0, 301.0, 292.0, 282.0, 284.0, 295.0, 288.0, 287.0, 295.0, 290.0, 293.0, 292.0, 289.0, 291.0, 293.0, 293.0, 300.0, 300.0, 297.0, 298.0, 296.0, 292.0, 296.0, 293.0, 281.0, 281.0, 281.0, 282.0, 281.0, 289.0, 299.0, 305.0, 308.0, 310.0, 302.0, 303.0, 306.0, 296.0, 288.0, 293.0, 289.0, 290.0, 286.0, 279.0, 278.0, 280.0, 281.0, 281.0, 275.0)	291.3
281.0	(283.0, 286.0, 295.0, 302.0, 291.0, 282.0, 284.0, 296.0, 287.0, 290.0, 287.0, 290.0, 287.0, 293.0, 289.0, 294.0, 291.0, 296.0, 300.0, 298.0, 297.0, 296.0, 294.0, 296.0, 292.0, 298.0, 289.0, 287.0, 281.0, 281.0, 286.0, 295.0, 295.0, 303.0, 307.0, 308.0, 309.0, 301.0, 299.0, 301.0, 281.0, 294.0, 305.0, 300.0, 288.0, 278.0, 280.0, 281.0, 280.0, 278.0, 280.0)	292.0

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
-----	-----	-----
282.0	(282.0, 285.0, 292.0, 298.0, 291.0, 286.0, 287.0, 291.0, 289.0, 292.0, 288.0, 288.0, 282.0, 287.0, 293.0, 293.0, 291.0, 298.0, 300.0, 297.0, 296.0, 295.0, 290.0, 296.0, 292.0, 294.0, 285.0, 287.0, 282.0, 283.0, 292.0, 296.0, 299.0, 305.0, 315.0, 303.0, 303.0, 302.0, 302.0, 299.0, 300.0, 296.0, 303.0, 302.0, 297.0, 297.0, 286.0, 282.0, 280.0, 281.0, 279.0)	292.9
283.0	(284.0, 286.0, 293.0, 296.0, 290.0, 286.0, 290.0, 290.0, 288.0, 295.0, 294.0, 294.0, 286.0, 292.0, 293.0, 293.0, 291.0, 299.0, 299.0, 297.0, 296.0, 291.0, 295.0, 289.0, 291.0, 281.0, 281.0, 287.0, 281.0, 282.0, 294.0, 295.0, 290.0, 308.0, 311.0, 307.0, 301.0, 297.0, 301.0, 300.0, 297.0, 298.0, 303.0, 302.0, 302.0, 298.0, 284.0, 272.0, 272.0, 272.0, 277.0)	292.1
284.0	(285.0, 286.0, 292.0, 293.0, 292.0, 283.0, 286.0, 289.0, 289.0, 295.0, 295.0, 295.0, 289.0, 292.0, 294.0, 294.0, 291.0, 299.0, 297.0, 297.0, 296.0, 296.0, 298.0, 296.0, 297.0, 281.0, 285.0, 283.0, 286.0, 291.0, 293.0, 297.0, 299.0, 302.0, 299.0, 301.0, 304.0, 299.0, 298.0, 297.0, 304.0, 301.0, 299.0, 288.0, 298.0, 289.0, 278.0, 275.0, 272.0, 273.0, 272.0)	291.9
285.0	(290.0, 289.0, 291.0, 292.0, 290.0, 286.0, 283.0, 288.0, 293.0, 295.0, 295.0, 296.0, 286.0, 292.0, 294.0, 295.0, 292.0, 298.0, 295.0, 295.0, 296.0, 299.0, 299.0, 296.0, 297.0, 284.0, 288.0, 286.0, 281.0, 295.0, 288.0, 298.0, 296.0, 290.0, 294.0, 299.0, 299.0, 299.0, 296.0, 297.0, 300.0, 304.0, 303.0, 293.0, 291.0, 280.0, 279.0, 274.0, 272.0, 272.0, 272.0)	291.2
286.0	(292.0, 293.0, 294.0, 288.0, 291.0, 289.0, 281.0, 281.0, 292.0, 295.0, 295.0, 295.0, 283.0, 291.0, 292.0, 293.0, 294.0, 296.0, 292.0, 291.0, 298.0, 297.0, 296.0, 289.0, 296.0, 288.0, 287.0, 284.0, 285.0, 291.0, 290.0, 295.0, 295.0, 289.0, 298.0, 300.0, 298.0, 296.0, 296.0, 295.0, 296.0, 289.0, 297.0, 287.0, 287.0, 283.0, 284.0, 272.0, 272.0, 273.0, 272.0)	290.0
287.0	(293.0, 293.0, 295.0, 286.0, 290.0, 285.0, 281.0, 285.0, 291.0, 292.0, 294.0, 293.0, 289.0, 290.0, 289.0, 291.0, 296.0, 298.0, 294.0, 291.0, 300.0, 296.0, 295.0, 284.0, 294.0, 287.0, 281.0, 281.0, 284.0, 289.0, 293.0, 288.0, 297.0, 294.0, 291.0, 297.0, 299.0, 296.0, 292.0, 290.0, 295.0, 292.0, 295.0, 281.0, 283.0, 279.0, 272.0, 272.0, 272.0, 272.0, 272.0)	288.7

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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288.0	(293.0, 292.0, 295.0, 282.0, 285.0, 281.0, 281.0, 287.0, 291.0, 292.0, 292.0, 290.0, 289.0, 289.0, 287.0, 290.0, 295.0, 295.0, 300.0, 297.0, 300.0, 296.0, 296.0, 285.0, 290.0, 281.0, 281.0, 281.0, 281.0, 292.0, 294.0, 297.0, 284.0, 295.0, 291.0, 295.0, 295.0, 294.0, 296.0, 297.0, 301.0, 300.0, 288.0, 279.0, 282.0, 285.0, 272.0, 272.0, 274.0, 272.0, 272.0)	288.6
289.0	(293.0, 290.0, 292.0, 282.0, 281.0, 281.0, 281.0, 287.0, 292.0, 292.0, 290.0, 294.0, 292.0, 287.0, 287.0, 290.0, 293.0, 293.0, 292.0, 290.0, 300.0, 298.0, 291.0, 284.0, 281.0, 281.0, 281.0, 281.0, 288.0, 293.0, 291.0, 292.0, 287.0, 289.0, 285.0, 291.0, 293.0, 295.0, 301.0, 298.0, 301.0, 290.0, 275.0, 279.0, 277.0, 277.0, 274.0, 272.0, 272.0, 272.0, 274.0)	287.0
290.0	(292.0, 291.0, 291.0, 284.0, 281.0, 281.0, 285.0, 287.0, 290.0, 293.0, 291.0, 294.0, 292.0, 288.0, 283.0, 288.0, 293.0, 293.0, 287.0, 288.0, 290.0, 291.0, 289.0, 283.0, 281.0, 285.0, 286.0, 281.0, 289.0, 298.0, 290.0, 288.0, 279.0, 284.0, 295.0, 294.0, 294.0, 297.0, 296.0, 287.0, 290.0, 276.0, 273.0, 278.0, 279.0, 275.0, 272.0, 272.0, 272.0, 272.0, 283.0)	286.0
291.0	(292.0, 291.0, 287.0, 285.0, 284.0, 283.0, 288.0, 292.0, 291.0, 294.0, 288.0, 294.0, 293.0, 293.0, 282.0, 289.0, 292.0, 291.0, 284.0, 287.0, 286.0, 281.0, 297.0, 286.0, 281.0, 290.0, 287.0, 289.0, 295.0, 299.0, 297.0, 294.0, 286.0, 286.0, 291.0, 289.0, 278.0, 280.0, 283.0, 283.0, 284.0, 274.0, 274.0, 282.0, 280.0, 273.0, 273.0, 273.0, 272.0, 273.0, 281.0)	285.7
292.0	(292.0, 291.0, 285.0, 287.0, 294.0, 287.0, 292.0, 284.0, 287.0, 293.0, 287.0, 291.0, 291.0, 295.0, 282.0, 288.0, 290.0, 289.0, 281.0, 289.0, 286.0, 281.0, 298.0, 288.0, 281.0, 292.0, 287.0, 289.0, 298.0, 304.0, 300.0, 293.0, 288.0, 295.0, 297.0, 293.0, 278.0, 279.0, 273.0, 273.0, 275.0, 274.0, 273.0, 274.0, 276.0, 279.0, 282.0, 283.0, 281.0, 280.0, 280.0)	286.3
293.0	(292.0, 289.0, 286.0, 286.0, 297.0, 294.0, 295.0, 284.0, 284.0, 289.0, 288.0, 289.0, 288.0, 293.0, 282.0, 285.0, 288.0, 285.0, 281.0, 288.0, 283.0, 287.0, 300.0, 288.0, 281.0, 293.0, 288.0, 290.0, 302.0, 311.0, 302.0, 299.0, 294.0, 296.0, 300.0, 292.0, 290.0, 291.0, 280.0, 276.0, 280.0, 273.0, 273.0, 273.0, 273.0, 281.0, 283.0, 283.0, 283.0, 281.0, 282.0)	287.6

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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294.0	(293.0, 293.0, 290.0, 284.0, 295.0, 296.0, 298.0, 283.0, 282.0, 282.0, 283.0, 286.0, 286.0, 293.0, 282.0, 283.0, 283.0, 281.0, 281.0, 283.0, 288.0, 290.0, 300.0, 284.0, 286.0, 295.0, 288.0, 290.0, 309.0, 315.0, 301.0, 301.0, 303.0, 303.0, 301.0, 293.0, 284.0, 293.0, 298.0, 297.0, 294.0, 278.0, 286.0, 274.0, 281.0, 273.0, 278.0, 282.0, 281.0, 280.0, 280.0)	289.0
295.0	(292.0, 296.0, 290.0, 286.0, 291.0, 296.0, 299.0, 284.0, 282.0, 281.0, 282.0, 283.0, 283.0, 286.0, 282.0, 282.0, 281.0, 281.0, 281.0, 290.0, 285.0, 294.0, 293.0, 281.0, 287.0, 288.0, 291.0, 292.0, 301.0, 307.0, 303.0, 302.0, 307.0, 305.0, 302.0, 288.0, 285.0, 297.0, 305.0, 302.0, 297.0, 280.0, 274.0, 282.0, 282.0, 282.0, 279.0, 282.0, 281.0, 280.0, 283.0)	289.1
296.0	(294.0, 297.0, 291.0, 290.0, 288.0, 293.0, 298.0, 285.0, 282.0, 282.0, 282.0, 282.0, 283.0, 283.0, 282.0, 287.0, 288.0, 285.0, 281.0, 289.0, 281.0, 288.0, 286.0, 281.0, 291.0, 296.0, 295.0, 281.0, 288.0, 304.0, 311.0, 308.0, 310.0, 312.0, 307.0, 291.0, 295.0, 298.0, 302.0, 301.0, 294.0, 275.0, 288.0, 274.0, 277.0, 274.0, 274.0, 278.0, 281.0, 277.0, 278.0)	288.9
297.0	(297.0, 297.0, 293.0, 289.0, 286.0, 295.0, 295.0, 289.0, 283.0, 282.0, 282.0, 282.0, 282.0, 282.0, 283.0, 288.0, 289.0, 292.0, 285.0, 288.0, 281.0, 281.0, 284.0, 281.0, 287.0, 292.0, 281.0, 286.0, 283.0, 296.0, 306.0, 309.0, 309.0, 316.0, 311.0, 302.0, 299.0, 297.0, 296.0, 296.0, 289.0, 283.0, 280.0, 273.0, 270.0, 271.0, 267.0, 264.0, 272.0, 273.0, 278.0)	287.5
298.0	(299.0, 298.0, 297.0, 290.0, 283.0, 293.0, 287.0, 286.0, 282.0, 282.0, 283.0, 282.0, 282.0, 282.0, 283.0, 288.0, 290.0, 289.0, 281.0, 281.0, 281.0, 281.0, 282.0, 281.0, 288.0, 285.0, 281.0, 294.0, 286.0, 296.0, 297.0, 304.0, 307.0, 314.0, 318.0, 304.0, 299.0, 301.0, 298.0, 292.0, 289.0, 271.0, 271.0, 279.0, 271.0, 272.0, 265.0, 266.0, 274.0, 275.0, 286.0)	286.9
299.0	(290.0, 302.0, 297.0, 296.0, 286.0, 290.0, 283.0, 285.0, 282.0, 283.0, 283.0, 282.0, 282.0, 282.0, 283.0, 287.0, 287.0, 281.0, 281.0, 281.0, 281.0, 281.0, 284.0, 281.0, 282.0, 281.0, 287.0, 291.0, 296.0, 299.0, 297.0, 300.0, 305.0, 305.0, 314.0, 302.0, 298.0, 303.0, 287.0, 291.0, 282.0, 274.0, 274.0, 281.0, 268.0, 269.0, 265.0, 261.0, 268.0, 279.0, 288.0)	286.1

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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300.0	(290.0, 304.0, 293.0, 304.0, 285.0, 288.0, 284.0, 285.0, 282.0, 287.0, 283.0, 283.0, 282.0, 282.0, 283.0, 283.0, 285.0, 281.0, 281.0, 281.0, 281.0, 282.0, 282.0, 281.0, 286.0, 284.0, 297.0, 289.0, 297.0, 300.0, 299.0, 299.0, 304.0, 309.0, 313.0, 304.0, 299.0, 299.0, 290.0, 285.0, 275.0, 274.0, 277.0, 278.0, 277.0, 274.0, 277.0, 264.0, 276.0, 286.0, 284.0)	287.2
301.0	(292.0, 298.0, 292.0, 298.0, 292.0, 282.0, 282.0, 283.0, 282.0, 290.0, 283.0, 284.0, 285.0, 283.0, 287.0, 286.0, 285.0, 281.0, 281.0, 284.0, 281.0, 281.0, 283.0, 281.0, 280.0, 296.0, 301.0, 288.0, 293.0, 295.0, 298.0, 299.0, 301.0, 308.0, 319.0, 311.0, 301.0, 288.0, 283.0, 278.0, 274.0, 279.0, 289.0, 283.0, 273.0, 275.0, 283.0, 266.0, 268.0, 285.0, 288.0)	287.3
302.0	(293.0, 293.0, 293.0, 293.0, 285.0, 282.0, 282.0, 283.0, 285.0, 290.0, 283.0, 283.0, 287.0, 286.0, 288.0, 284.0, 284.0, 281.0, 281.0, 281.0, 281.0, 281.0, 291.0, 297.0, 291.0, 301.0, 297.0, 293.0, 297.0, 298.0, 299.0, 297.0, 299.0, 302.0, 314.0, 301.0, 295.0, 290.0, 277.0, 278.0, 284.0, 288.0, 286.0, 272.0, 264.0, 269.0, 284.0, 256.0, 263.0, 274.0, 287.0)	286.6
303.0	(290.0, 291.0, 290.0, 298.0, 291.0, 282.0, 282.0, 282.0, 287.0, 286.0, 283.0, 283.0, 293.0, 286.0, 288.0, 288.0, 283.0, 281.0, 281.0, 281.0, 281.0, 281.0, 290.0, 303.0, 304.0, 301.0, 292.0, 282.0, 298.0, 301.0, 299.0, 297.0, 302.0, 301.0, 308.0, 302.0, 299.0, 287.0, 279.0, 288.0, 278.0, 295.0, 289.0, 268.0, 261.0, 259.0, 270.0, 251.0, 256.0, 271.0, 273.0)	286.0
304.0	(290.0, 291.0, 288.0, 292.0, 289.0, 283.0, 283.0, 283.0, 286.0, 285.0, 284.0, 282.0, 291.0, 287.0, 291.0, 285.0, 283.0, 281.0, 281.0, 282.0, 281.0, 280.0, 281.0, 304.0, 303.0, 295.0, 294.0, 297.0, 293.0, 295.0, 299.0, 296.0, 297.0, 297.0, 305.0, 298.0, 294.0, 291.0, 290.0, 289.0, 292.0, 291.0, 281.0, 268.0, 261.0, 253.0, 249.0, 244.0, 253.0, 256.0, 274.0)	284.6
305.0	(288.0, 293.0, 288.0, 288.0, 291.0, 289.0, 283.0, 286.0, 282.0, 287.0, 284.0, 282.0, 289.0, 291.0, 291.0, 284.0, 283.0, 281.0, 281.0, 281.0, 286.0, 281.0, 281.0, 296.0, 303.0, 289.0, 283.0, 296.0, 286.0, 289.0, 295.0, 293.0, 300.0, 284.0, 291.0, 292.0, 284.0, 277.0, 279.0, 290.0, 275.0, 289.0, 293.0, 275.0, 254.0, 253.0, 252.0, 244.0, 244.0, 243.0, 272.0)	282.1

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N 85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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306.0	(288.0, 294.0, 290.0, 289.0, 292.0, 290.0, 282.0, 283.0, 282.0, 293.0, 289.0, 282.0, 290.0, 291.0, 290.0, 283.0, 283.0, 281.0, 281.0, 281.0, 288.0, 281.0, 281.0, 293.0, 290.0, 286.0, 301.0, 289.0, 288.0, 296.0, 300.0, 298.0, 302.0, 301.0, 301.0, 301.0, 280.0, 288.0, 275.0, 281.0, 277.0, 285.0, 291.0, 285.0, 262.0, 252.0, 252.0, 244.0, 243.0, 242.0, 248.0)	282.9
307.0	(286.0, 291.0, 288.0, 291.0, 290.0, 290.0, 282.0, 282.0, 284.0, 292.0, 291.0, 283.0, 290.0, 291.0, 293.0, 283.0, 282.0, 283.0, 281.0, 281.0, 289.0, 281.0, 282.0, 292.0, 286.0, 281.0, 282.0, 298.0, 298.0, 304.0, 303.0, 301.0, 303.0, 302.0, 290.0, 301.0, 292.0, 283.0, 281.0, 279.0, 280.0, 279.0, 273.0, 281.0, 262.0, 255.0, 250.0, 245.0, 244.0, 241.0, 241.0)	282.5
308.0	(288.0, 292.0, 288.0, 291.0, 285.0, 283.0, 282.0, 282.0, 283.0, 292.0, 292.0, 283.0, 286.0, 289.0, 293.0, 288.0, 283.0, 283.0, 281.0, 281.0, 284.0, 291.0, 291.0, 289.0, 281.0, 281.0, 295.0, 303.0, 302.0, 306.0, 313.0, 307.0, 305.0, 304.0, 287.0, 298.0, 300.0, 287.0, 278.0, 280.0, 280.0, 277.0, 274.0, 282.0, 261.0, 254.0, 244.0, 242.0, 241.0, 241.0, 241.0)	283.1
309.0	(291.0, 292.0, 289.0, 293.0, 282.0, 283.0, 282.0, 282.0, 285.0, 292.0, 291.0, 284.0, 282.0, 287.0, 291.0, 289.0, 283.0, 281.0, 281.0, 281.0, 284.0, 295.0, 288.0, 292.0, 284.0, 287.0, 292.0, 304.0, 298.0, 299.0, 317.0, 308.0, 306.0, 304.0, 300.0, 304.0, 300.0, 289.0, 278.0, 282.0, 281.0, 271.0, 268.0, 281.0, 265.0, 258.0, 249.0, 242.0, 241.0, 241.0, 241.0)	283.6
310.0	(293.0, 294.0, 287.0, 295.0, 283.0, 283.0, 282.0, 282.0, 283.0, 293.0, 289.0, 283.0, 281.0, 285.0, 290.0, 291.0, 284.0, 283.0, 280.0, 281.0, 282.0, 297.0, 284.0, 297.0, 287.0, 289.0, 298.0, 299.0, 300.0, 314.0, 316.0, 307.0, 307.0, 302.0, 304.0, 298.0, 299.0, 292.0, 277.0, 289.0, 275.0, 271.0, 268.0, 280.0, 269.0, 261.0, 250.0, 242.0, 242.0, 243.0, 241.0)	284.2
311.0	(292.0, 294.0, 288.0, 296.0, 285.0, 283.0, 282.0, 282.0, 283.0, 290.0, 287.0, 286.0, 282.0, 284.0, 289.0, 290.0, 284.0, 291.0, 285.0, 282.0, 285.0, 289.0, 291.0, 295.0, 283.0, 284.0, 293.0, 292.0, 306.0, 304.0, 307.0, 302.0, 305.0, 302.0, 305.0, 294.0, 298.0, 292.0, 286.0, 278.0, 271.0, 268.0, 269.0, 259.0, 256.0, 261.0, 247.0, 247.0, 243.0, 245.0, 238.0)	282.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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312.0	(290.0, 294.0, 290.0, 301.0, 289.0, 283.0, 282.0, 282.0, 285.0, 290.0, 289.0, 287.0, 284.0, 283.0, 287.0, 290.0, 289.0, 297.0, 295.0, 291.0, 292.0, 287.0, 299.0, 302.0, 293.0, 289.0, 293.0, 297.0, 302.0, 302.0, 299.0, 302.0, 302.0, 299.0, 300.0, 305.0, 298.0, 292.0, 285.0, 281.0, 273.0, 270.0, 263.0, 271.0, 264.0, 256.0, 250.0, 268.0, 244.0, 241.0, 243.0)	285.0
313.0	(290.0, 294.0, 289.0, 302.0, 289.0, 283.0, 289.0, 289.0, 283.0, 289.0, 289.0, 287.0, 289.0, 282.0, 287.0, 288.0, 289.0, 290.0, 293.0, 292.0, 293.0, 289.0, 301.0, 286.0, 295.0, 292.0, 292.0, 295.0, 294.0, 299.0, 298.0, 298.0, 300.0, 301.0, 307.0, 302.0, 297.0, 293.0, 293.0, 283.0, 274.0, 274.0, 268.0, 266.0, 278.0, 270.0, 288.0, 277.0, 251.0, 249.0, 268.0)	287.3
314.0	(290.0, 291.0, 288.0, 296.0, 288.0, 283.0, 287.0, 283.0, 282.0, 282.0, 289.0, 291.0, 288.0, 284.0, 283.0, 288.0, 288.0, 289.0, 293.0, 294.0, 294.0, 291.0, 295.0, 287.0, 292.0, 282.0, 294.0, 292.0, 286.0, 293.0, 289.0, 286.0, 294.0, 294.0, 303.0, 304.0, 299.0, 299.0, 292.0, 285.0, 276.0, 286.0, 272.0, 277.0, 287.0, 286.0, 274.0, 266.0, 260.0, 248.0, 253.0)	286.1
315.0	(291.0, 287.0, 285.0, 294.0, 281.0, 287.0, 288.0, 283.0, 282.0, 282.0, 286.0, 291.0, 290.0, 286.0, 285.0, 287.0, 287.0, 289.0, 292.0, 293.0, 287.0, 296.0, 291.0, 289.0, 294.0, 282.0, 296.0, 287.0, 287.0, 292.0, 293.0, 288.0, 300.0, 301.0, 304.0, 307.0, 302.0, 300.0, 290.0, 283.0, 283.0, 289.0, 275.0, 286.0, 286.0, 283.0, 281.0, 267.0, 254.0, 250.0, 250.0)	286.6
316.0	(288.0, 284.0, 285.0, 296.0, 282.0, 290.0, 289.0, 283.0, 282.0, 282.0, 282.0, 284.0, 290.0, 288.0, 284.0, 288.0, 287.0, 287.0, 290.0, 287.0, 287.0, 287.0, 302.0, 295.0, 286.0, 291.0, 298.0, 287.0, 286.0, 298.0, 295.0, 305.0, 304.0, 299.0, 303.0, 306.0, 305.0, 299.0, 280.0, 280.0, 286.0, 287.0, 279.0, 281.0, 287.0, 284.0, 283.0, 270.0, 262.0, 253.0, 272.0)	287.5
317.0	(288.0, 283.0, 285.0, 293.0, 288.0, 293.0, 291.0, 286.0, 282.0, 282.0, 282.0, 284.0, 289.0, 290.0, 291.0, 290.0, 290.0, 287.0, 288.0, 286.0, 284.0, 285.0, 295.0, 291.0, 284.0, 283.0, 293.0, 290.0, 296.0, 299.0, 298.0, 311.0, 294.0, 302.0, 307.0, 305.0, 302.0, 304.0, 280.0, 288.0, 283.0, 278.0, 291.0, 277.0, 290.0, 277.0, 286.0, 278.0, 264.0, 257.0, 259.0)	287.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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318.0	(288.0, 281.0, 284.0, 291.0, 285.0, 293.0, 293.0, 290.0, 282.0, 282.0, 283.0, 283.0, 290.0, 289.0, 291.0, 290.0, 289.0, 287.0, 287.0, 286.0, 283.0, 283.0, 290.0, 283.0, 283.0, 289.0, 297.0, 299.0, 289.0, 292.0, 298.0, 301.0, 299.0, 313.0, 308.0, 300.0, 298.0, 291.0, 284.0, 283.0, 283.0, 274.0, 270.0, 283.0, 294.0, 290.0, 281.0, 283.0, 264.0, 261.0, 279.0)	287.6
319.0	(287.0, 280.0, 286.0, 291.0, 281.0, 284.0, 291.0, 294.0, 282.0, 282.0, 284.0, 286.0, 288.0, 287.0, 289.0, 289.0, 287.0, 286.0, 284.0, 283.0, 283.0, 283.0, 283.0, 283.0, 281.0, 282.0, 294.0, 302.0, 295.0, 290.0, 295.0, 302.0, 300.0, 313.0, 310.0, 308.0, 307.0, 293.0, 287.0, 289.0, 288.0, 277.0, 278.0, 281.0, 280.0, 274.0, 271.0, 272.0, 264.0, 262.0, 274.0)	286.7
320.0	(284.0, 279.0, 288.0, 289.0, 284.0, 286.0, 294.0, 294.0, 282.0, 282.0, 287.0, 283.0, 289.0, 289.0, 287.0, 286.0, 286.0, 285.0, 283.0, 284.0, 286.0, 284.0, 284.0, 286.0, 281.0, 281.0, 284.0, 297.0, 294.0, 301.0, 298.0, 305.0, 305.0, 311.0, 304.0, 308.0, 303.0, 289.0, 287.0, 292.0, 290.0, 291.0, 290.0, 292.0, 294.0, 291.0, 276.0, 264.0, 256.0, 269.0, 284.0)	288.3
321.0	(283.0, 280.0, 287.0, 288.0, 288.0, 287.0, 288.0, 289.0, 282.0, 282.0, 287.0, 284.0, 284.0, 289.0, 286.0, 284.0, 284.0, 284.0, 283.0, 285.0, 288.0, 289.0, 290.0, 291.0, 281.0, 282.0, 281.0, 297.0, 294.0, 302.0, 301.0, 301.0, 302.0, 304.0, 301.0, 305.0, 300.0, 289.0, 296.0, 294.0, 275.0, 292.0, 295.0, 296.0, 290.0, 278.0, 277.0, 267.0, 263.0, 267.0, 281.0)	287.8
322.0	(283.0, 280.0, 287.0, 290.0, 290.0, 290.0, 290.0, 285.0, 282.0, 282.0, 285.0, 283.0, 285.0, 286.0, 286.0, 284.0, 283.0, 283.0, 283.0, 284.0, 287.0, 286.0, 289.0, 290.0, 281.0, 291.0, 284.0, 281.0, 300.0, 303.0, 302.0, 299.0, 298.0, 298.0, 294.0, 304.0, 292.0, 294.0, 294.0, 287.0, 275.0, 285.0, 293.0, 292.0, 294.0, 288.0, 283.0, 270.0, 265.0, 264.0, 276.0)	287.1
323.0	(287.0, 279.0, 285.0, 287.0, 289.0, 286.0, 292.0, 283.0, 282.0, 282.0, 284.0, 283.0, 283.0, 284.0, 284.0, 284.0, 283.0, 283.0, 286.0, 284.0, 286.0, 286.0, 286.0, 285.0, 281.0, 290.0, 287.0, 281.0, 302.0, 304.0, 302.0, 299.0, 290.0, 302.0, 297.0, 293.0, 305.0, 298.0, 294.0, 297.0, 283.0, 277.0, 287.0, 284.0, 299.0, 289.0, 295.0, 270.0, 265.0, 267.0, 298.0)	287.6

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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324.0	(287.0, 279.0, 282.0, 285.0, 285.0, 288.0, 293.0, 283.0, 282.0, 282.0, 285.0, 283.0, 284.0, 284.0, 284.0, 283.0, 284.0, 284.0, 286.0, 283.0, 285.0, 285.0, 286.0, 287.0, 281.0, 288.0, 281.0, 281.0, 291.0, 306.0, 303.0, 302.0, 298.0, 301.0, 299.0, 284.0, 291.0, 297.0, 288.0, 293.0, 290.0, 287.0, 285.0, 283.0, 302.0, 297.0, 289.0, 276.0, 261.0, 264.0, 292.0)	287.0
325.0	(287.0, 284.0, 281.0, 284.0, 287.0, 291.0, 301.0, 283.0, 282.0, 282.0, 282.0, 283.0, 284.0, 283.0, 283.0, 283.0, 286.0, 283.0, 286.0, 283.0, 283.0, 285.0, 286.0, 289.0, 281.0, 290.0, 292.0, 281.0, 281.0, 295.0, 305.0, 303.0, 293.0, 292.0, 292.0, 286.0, 301.0, 304.0, 284.0, 291.0, 295.0, 295.0, 287.0, 286.0, 289.0, 300.0, 279.0, 271.0, 261.0, 264.0, 284.0)	286.7
326.0	(286.0, 286.0, 280.0, 284.0, 290.0, 294.0, 300.0, 285.0, 282.0, 283.0, 284.0, 284.0, 284.0, 283.0, 283.0, 283.0, 285.0, 284.0, 283.0, 282.0, 282.0, 285.0, 290.0, 295.0, 284.0, 285.0, 294.0, 281.0, 281.0, 287.0, 302.0, 304.0, 299.0, 291.0, 286.0, 280.0, 302.0, 297.0, 281.0, 297.0, 294.0, 296.0, 295.0, 292.0, 292.0, 290.0, 280.0, 267.0, 261.0, 271.0, 282.0)	286.8
327.0	(285.0, 287.0, 279.0, 286.0, 289.0, 296.0, 300.0, 282.0, 283.0, 283.0, 283.0, 284.0, 286.0, 284.0, 283.0, 283.0, 284.0, 283.0, 282.0, 282.0, 282.0, 282.0, 292.0, 292.0, 296.0, 283.0, 291.0, 288.0, 281.0, 289.0, 297.0, 300.0, 299.0, 294.0, 291.0, 291.0, 302.0, 292.0, 287.0, 296.0, 291.0, 290.0, 291.0, 298.0, 289.0, 293.0, 277.0, 265.0, 262.0, 293.0, 301.0)	287.9
328.0	(284.0, 287.0, 279.0, 285.0, 289.0, 293.0, 298.0, 285.0, 284.0, 284.0, 284.0, 285.0, 289.0, 284.0, 283.0, 283.0, 283.0, 283.0, 282.0, 282.0, 282.0, 282.0, 287.0, 290.0, 296.0, 287.0, 289.0, 286.0, 281.0, 285.0, 301.0, 301.0, 288.0, 295.0, 284.0, 289.0, 300.0, 279.0, 279.0, 286.0, 299.0, 294.0, 296.0, 290.0, 295.0, 295.0, 270.0, 262.0, 262.0, 294.0, 306.0)	287.0
329.0	(281.0, 285.0, 280.0, 283.0, 288.0, 290.0, 290.0, 285.0, 287.0, 284.0, 285.0, 285.0, 290.0, 284.0, 283.0, 283.0, 283.0, 282.0, 282.0, 282.0, 282.0, 282.0, 285.0, 296.0, 297.0, 298.0, 283.0, 284.0, 281.0, 293.0, 300.0, 288.0, 302.0, 296.0, 290.0, 286.0, 289.0, 280.0, 282.0, 279.0, 293.0, 291.0, 298.0, 296.0, 298.0, 289.0, 278.0, 260.0, 261.0, 288.0, 308.0)	286.9

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
-----	-----	-----
330.0	(279.0, 284.0, 279.0, 280.0, 285.0, 294.0, 286.0, 283.0, 288.0, 283.0, 285.0, 285.0, 289.0, 287.0, 283.0, 283.0, 283.0, 282.0, 282.0, 282.0, 282.0, 282.0, 283.0, 292.0, 298.0, 296.0, 286.0, 284.0, 281.0, 292.0, 291.0, 283.0, 295.0, 298.0, 289.0, 277.0, 277.0, 281.0, 290.0, 279.0, 289.0, 289.0, 292.0, 295.0, 286.0, 278.0, 261.0, 260.0, 262.0, 291.0, 304.0)	284.9
331.0	(278.0, 279.0, 280.0, 283.0, 286.0, 286.0, 291.0, 285.0, 288.0, 284.0, 285.0, 285.0, 288.0, 287.0, 283.0, 283.0, 283.0, 285.0, 282.0, 282.0, 282.0, 282.0, 282.0, 292.0, 296.0, 305.0, 291.0, 292.0, 281.0, 291.0, 284.0, 284.0, 290.0, 288.0, 279.0, 277.0, 277.0, 286.0, 296.0, 298.0, 296.0, 290.0, 288.0, 279.0, 277.0, 266.0, 260.0, 265.0, 262.0, 269.0, 299.0)	284.2
332.0	(278.0, 278.0, 279.0, 286.0, 285.0, 290.0, 293.0, 287.0, 288.0, 286.0, 285.0, 286.0, 292.0, 286.0, 288.0, 283.0, 283.0, 287.0, 284.0, 282.0, 282.0, 282.0, 282.0, 288.0, 298.0, 296.0, 285.0, 293.0, 281.0, 281.0, 298.0, 286.0, 281.0, 279.0, 278.0, 277.0, 277.0, 289.0, 282.0, 293.0, 293.0, 294.0, 296.0, 286.0, 278.0, 262.0, 261.0, 264.0, 265.0, 265.0, 272.0)	283.4
333.0	(278.0, 278.0, 279.0, 286.0, 283.0, 286.0, 296.0, 290.0, 287.0, 287.0, 285.0, 289.0, 293.0, 286.0, 289.0, 283.0, 283.0, 286.0, 288.0, 286.0, 283.0, 282.0, 282.0, 293.0, 299.0, 302.0, 288.0, 288.0, 281.0, 281.0, 296.0, 295.0, 286.0, 277.0, 277.0, 277.0, 277.0, 282.0, 281.0, 287.0, 300.0, 289.0, 294.0, 285.0, 268.0, 260.0, 265.0, 264.0, 263.0, 264.0, 266.0)	283.4
334.0	(278.0, 278.0, 279.0, 289.0, 288.0, 288.0, 292.0, 289.0, 289.0, 287.0, 286.0, 291.0, 292.0, 289.0, 286.0, 290.0, 289.0, 288.0, 283.0, 282.0, 282.0, 282.0, 282.0, 296.0, 296.0, 297.0, 292.0, 295.0, 281.0, 281.0, 299.0, 296.0, 295.0, 282.0, 277.0, 277.0, 279.0, 278.0, 291.0, 291.0, 296.0, 298.0, 290.0, 280.0, 265.0, 256.0, 262.0, 262.0, 262.0, 264.0, 271.0)	284.2
335.0	(278.0, 278.0, 279.0, 289.0, 292.0, 291.0, 298.0, 291.0, 291.0, 289.0, 287.0, 287.0, 295.0, 286.0, 288.0, 287.0, 289.0, 283.0, 282.0, 282.0, 282.0, 282.0, 282.0, 287.0, 296.0, 299.0, 288.0, 287.0, 282.0, 281.0, 289.0, 304.0, 299.0, 288.0, 280.0, 282.0, 277.0, 277.0, 277.0, 286.0, 297.0, 307.0, 290.0, 279.0, 266.0, 262.0, 265.0, 263.0, 262.0, 262.0, 262.0)	284.1

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
-----	-----	-----
336.0	(278.0, 278.0, 283.0, 287.0, 285.0, 293.0, 295.0, 300.0, 293.0, 288.0, 284.0, 284.0, 288.0, 286.0, 292.0, 286.0, 284.0, 283.0, 282.0, 282.0, 282.0, 282.0, 282.0, 289.0, 298.0, 295.0, 287.0, 284.0, 281.0, 281.0, 288.0, 291.0, 283.0, 280.0, 279.0, 277.0, 277.0, 277.0, 283.0, 283.0, 291.0, 297.0, 290.0, 286.0, 266.0, 257.0, 268.0, 265.0, 275.0, 265.0, 259.0)	283.0
337.0	(278.0, 278.0, 284.0, 286.0, 286.0, 288.0, 294.0, 290.0, 290.0, 289.0, 291.0, 284.0, 290.0, 287.0, 292.0, 286.0, 283.0, 287.0, 282.0, 282.0, 282.0, 282.0, 287.0, 294.0, 296.0, 287.0, 286.0, 295.0, 281.0, 281.0, 284.0, 287.0, 291.0, 286.0, 282.0, 278.0, 277.0, 278.0, 289.0, 285.0, 286.0, 297.0, 291.0, 293.0, 275.0, 257.0, 255.0, 266.0, 259.0, 262.0, 258.0)	283.1
338.0	(278.0, 278.0, 281.0, 286.0, 283.0, 290.0, 294.0, 281.0, 291.0, 291.0, 292.0, 284.0, 292.0, 290.0, 292.0, 289.0, 287.0, 283.0, 283.0, 282.0, 282.0, 282.0, 286.0, 291.0, 292.0, 295.0, 282.0, 297.0, 292.0, 283.0, 288.0, 281.0, 284.0, 283.0, 284.0, 291.0, 299.0, 277.0, 277.0, 277.0, 277.0, 286.0, 279.0, 295.0, 281.0, 271.0, 260.0, 253.0, 253.0, 260.0, 259.0)	282.9
339.0	(278.0, 278.0, 278.0, 285.0, 287.0, 300.0, 300.0, 281.0, 295.0, 290.0, 287.0, 287.0, 291.0, 293.0, 289.0, 292.0, 289.0, 283.0, 283.0, 283.0, 282.0, 282.0, 287.0, 292.0, 293.0, 301.0, 285.0, 292.0, 284.0, 283.0, 277.0, 277.0, 280.0, 287.0, 286.0, 302.0, 285.0, 289.0, 278.0, 304.0, 275.0, 274.0, 288.0, 286.0, 279.0, 271.0, 256.0, 253.0, 254.0, 251.0, 263.0)	283.3
340.0	(278.0, 278.0, 279.0, 281.0, 292.0, 298.0, 296.0, 296.0, 296.0, 289.0, 281.0, 289.0, 295.0, 293.0, 290.0, 294.0, 287.0, 288.0, 283.0, 284.0, 283.0, 284.0, 286.0, 293.0, 295.0, 305.0, 303.0, 286.0, 284.0, 287.0, 277.0, 277.0, 277.0, 292.0, 302.0, 306.0, 281.0, 281.0, 281.0, 290.0, 292.0, 273.0, 276.0, 269.0, 272.0, 271.0, 267.0, 268.0, 252.0, 250.0, 252.0)	284.0
341.0	(278.0, 278.0, 279.0, 279.0, 296.0, 292.0, 295.0, 292.0, 298.0, 288.0, 288.0, 289.0, 292.0, 294.0, 295.0, 296.0, 286.0, 281.0, 283.0, 282.0, 287.0, 286.0, 289.0, 291.0, 295.0, 299.0, 304.0, 280.0, 280.0, 292.0, 279.0, 277.0, 284.0, 286.0, 291.0, 302.0, 283.0, 284.0, 291.0, 277.0, 281.0, 272.0, 283.0, 282.0, 288.0, 286.0, 275.0, 277.0, 258.0, 250.0, 250.0)	284.8

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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342.0	(278.0, 278.0, 280.0, 279.0, 293.0, 281.0, 293.0, 286.0, 296.0, 283.0, 290.0, 288.0, 290.0, 298.0, 299.0, 295.0, 286.0, 283.0, 284.0, 286.0, 289.0, 286.0, 300.0, 297.0, 300.0, 300.0, 300.0, 290.0, 280.0, 296.0, 280.0, 277.0, 277.0, 287.0, 288.0, 291.0, 281.0, 297.0, 285.0, 278.0, 287.0, 273.0, 296.0, 275.0, 300.0, 305.0, 291.0, 289.0, 279.0, 262.0, 250.0)	287.1
343.0	(280.0, 279.0, 284.0, 281.0, 286.0, 281.0, 280.0, 285.0, 288.0, 284.0, 291.0, 289.0, 295.0, 298.0, 300.0, 296.0, 284.0, 283.0, 283.0, 283.0, 289.0, 286.0, 296.0, 297.0, 298.0, 301.0, 286.0, 286.0, 280.0, 282.0, 289.0, 277.0, 277.0, 291.0, 283.0, 294.0, 297.0, 296.0, 309.0, 307.0, 277.0, 272.0, 272.0, 272.0, 281.0, 282.0, 289.0, 277.0, 282.0, 264.0, 255.0)	285.9
344.0	(280.0, 285.0, 285.0, 281.0, 280.0, 278.0, 281.0, 289.0, 286.0, 277.0, 280.0, 290.0, 294.0, 296.0, 296.0, 294.0, 291.0, 291.0, 287.0, 285.0, 283.0, 284.0, 293.0, 295.0, 296.0, 290.0, 288.0, 283.0, 279.0, 280.0, 302.0, 278.0, 277.0, 295.0, 298.0, 297.0, 301.0, 298.0, 301.0, 303.0, 280.0, 274.0, 272.0, 275.0, 292.0, 296.0, 304.0, 295.0, 282.0, 267.0, 255.0)	287.2
345.0	(281.0, 285.0, 280.0, 282.0, 280.0, 278.0, 286.0, 286.0, 288.0, 275.0, 289.0, 282.0, 289.0, 295.0, 299.0, 288.0, 296.0, 288.0, 291.0, 283.0, 282.0, 285.0, 293.0, 300.0, 292.0, 292.0, 290.0, 284.0, 280.0, 284.0, 306.0, 290.0, 277.0, 296.0, 303.0, 304.0, 304.0, 310.0, 291.0, 278.0, 275.0, 281.0, 273.0, 285.0, 286.0, 287.0, 281.0, 298.0, 287.0, 288.0, 271.0)	287.9
346.0	(282.0, 285.0, 281.0, 280.0, 278.0, 278.0, 285.0, 283.0, 286.0, 279.0, 286.0, 290.0, 287.0, 298.0, 298.0, 291.0, 292.0, 287.0, 286.0, 283.0, 284.0, 286.0, 293.0, 305.0, 292.0, 288.0, 296.0, 286.0, 280.0, 289.0, 300.0, 304.0, 277.0, 295.0, 296.0, 298.0, 299.0, 278.0, 287.0, 275.0, 275.0, 275.0, 276.0, 280.0, 289.0, 294.0, 279.0, 271.0, 287.0, 288.0, 272.0)	286.5
347.0	(282.0, 286.0, 281.0, 280.0, 278.0, 279.0, 280.0, 286.0, 282.0, 284.0, 277.0, 293.0, 294.0, 297.0, 298.0, 298.0, 289.0, 284.0, 284.0, 283.0, 290.0, 295.0, 299.0, 305.0, 296.0, 292.0, 292.0, 288.0, 280.0, 296.0, 296.0, 299.0, 277.0, 286.0, 293.0, 295.0, 295.0, 288.0, 295.0, 278.0, 275.0, 275.0, 282.0, 292.0, 296.0, 290.0, 280.0, 271.0, 265.0, 266.0, 285.0)	286.9

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
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348.0	(282.0, 286.0, 281.0, 280.0, 278.0, 280.0, 280.0, 282.0, 276.0, 274.0, 280.0, 292.0, 294.0, 293.0, 291.0, 296.0, 293.0, 282.0, 283.0, 282.0, 292.0, 298.0, 304.0, 307.0, 305.0, 292.0, 290.0, 279.0, 282.0, 297.0, 299.0, 294.0, 278.0, 277.0, 291.0, 288.0, 289.0, 298.0, 289.0, 288.0, 294.0, 291.0, 284.0, 280.0, 292.0, 279.0, 277.0, 277.0, 266.0, 265.0, 271.0)	286.3
349.0	(282.0, 284.0, 282.0, 280.0, 279.0, 280.0, 280.0, 281.0, 273.0, 278.0, 273.0, 282.0, 290.0, 299.0, 295.0, 298.0, 291.0, 283.0, 283.0, 282.0, 295.0, 302.0, 301.0, 304.0, 299.0, 295.0, 291.0, 280.0, 288.0, 295.0, 296.0, 297.0, 286.0, 277.0, 279.0, 284.0, 284.0, 293.0, 278.0, 288.0, 293.0, 284.0, 277.0, 281.0, 285.0, 291.0, 277.0, 286.0, 275.0, 265.0, 267.0)	285.7
350.0	(282.0, 283.0, 281.0, 280.0, 280.0, 280.0, 281.0, 285.0, 279.0, 276.0, 275.0, 273.0, 287.0, 297.0, 291.0, 297.0, 298.0, 290.0, 287.0, 282.0, 297.0, 297.0, 304.0, 307.0, 301.0, 298.0, 289.0, 280.0, 279.0, 294.0, 297.0, 298.0, 299.0, 279.0, 277.0, 277.0, 286.0, 286.0, 276.0, 279.0, 289.0, 284.0, 280.0, 277.0, 285.0, 280.0, 277.0, 279.0, 287.0, 264.0, 262.0)	285.3
351.0	(282.0, 285.0, 280.0, 279.0, 280.0, 280.0, 280.0, 288.0, 284.0, 284.0, 270.0, 274.0, 282.0, 294.0, 293.0, 299.0, 294.0, 291.0, 287.0, 286.0, 294.0, 296.0, 307.0, 297.0, 300.0, 293.0, 286.0, 281.0, 279.0, 298.0, 291.0, 301.0, 292.0, 300.0, 277.0, 278.0, 286.0, 284.0, 277.0, 276.0, 278.0, 283.0, 276.0, 281.0, 276.0, 283.0, 275.0, 278.0, 290.0, 265.0, 263.0)	285.0
352.0	(281.0, 288.0, 283.0, 280.0, 280.0, 280.0, 281.0, 287.0, 285.0, 287.0, 275.0, 269.0, 268.0, 287.0, 300.0, 299.0, 295.0, 284.0, 283.0, 287.0, 289.0, 298.0, 307.0, 303.0, 294.0, 287.0, 286.0, 289.0, 279.0, 289.0, 297.0, 293.0, 292.0, 286.0, 280.0, 277.0, 299.0, 279.0, 282.0, 280.0, 276.0, 276.0, 276.0, 276.0, 276.0, 278.0, 278.0, 283.0, 268.0, 268.0, 266.0)	284.1
353.0	(282.0, 288.0, 282.0, 279.0, 280.0, 280.0, 280.0, 286.0, 288.0, 286.0, 282.0, 268.0, 267.0, 290.0, 294.0, 301.0, 292.0, 286.0, 282.0, 290.0, 296.0, 305.0, 298.0, 307.0, 295.0, 286.0, 286.0, 276.0, 281.0, 295.0, 295.0, 287.0, 287.0, 293.0, 283.0, 282.0, 280.0, 287.0, 292.0, 284.0, 284.0, 279.0, 280.0, 277.0, 276.0, 282.0, 295.0, 271.0, 262.0, 262.0, 263.0)	284.5

Terrain height from NED 1-Sec DEM(USGS) data for radials centered on:  
 42° 27' 13" N      85° 20' 39" W

AZ	Heights of evenly spaced points on radial	HAT
-----	-----	-----
354.0	(285.0, 289.0, 283.0, 279.0, 280.0, 280.0, 280.0, 284.0, 292.0, 293.0, 281.0, 269.0, 267.0, 299.0, 290.0, 295.0, 295.0, 287.0, 283.0, 295.0, 293.0, 305.0, 303.0, 301.0, 295.0, 286.0, 286.0, 286.0, 278.0, 273.0, 292.0, 281.0, 281.0, 293.0, 297.0, 280.0, 277.0, 300.0, 292.0, 281.0, 276.0, 278.0, 287.0, 287.0, 278.0, 286.0, 289.0, 267.0, 268.0, 261.0, 264.0)	284.8
355.0	(286.0, 288.0, 283.0, 279.0, 279.0, 280.0, 280.0, 283.0, 288.0, 298.0, 283.0, 275.0, 267.0, 275.0, 288.0, 288.0, 287.0, 286.0, 285.0, 288.0, 292.0, 295.0, 301.0, 302.0, 296.0, 285.0, 291.0, 289.0, 274.0, 272.0, 280.0, 290.0, 285.0, 294.0, 283.0, 294.0, 282.0, 280.0, 298.0, 279.0, 277.0, 284.0, 288.0, 282.0, 280.0, 278.0, 275.0, 273.0, 262.0, 268.0, 279.0)	283.8
356.0	(287.0, 284.0, 283.0, 279.0, 279.0, 280.0, 280.0, 282.0, 290.0, 287.0, 273.0, 284.0, 267.0, 268.0, 282.0, 286.0, 283.0, 281.0, 283.0, 289.0, 292.0, 292.0, 293.0, 306.0, 297.0, 287.0, 283.0, 275.0, 272.0, 272.0, 275.0, 281.0, 291.0, 293.0, 295.0, 292.0, 283.0, 300.0, 276.0, 281.0, 286.0, 278.0, 280.0, 278.0, 275.0, 280.0, 278.0, 276.0, 271.0, 270.0, 278.0)	282.5
357.0	(287.0, 287.0, 284.0, 280.0, 280.0, 280.0, 281.0, 283.0, 286.0, 277.0, 275.0, 275.0, 268.0, 268.0, 271.0, 271.0, 281.0, 279.0, 280.0, 287.0, 293.0, 283.0, 288.0, 303.0, 299.0, 292.0, 280.0, 272.0, 272.0, 272.0, 273.0, 279.0, 279.0, 294.0, 296.0, 295.0, 279.0, 291.0, 280.0, 275.0, 275.0, 276.0, 282.0, 280.0, 273.0, 293.0, 292.0, 282.0, 283.0, 278.0, 275.0)	281.5
358.0	(287.0, 285.0, 287.0, 280.0, 281.0, 280.0, 283.0, 281.0, 284.0, 276.0, 270.0, 270.0, 268.0, 267.0, 267.0, 270.0, 272.0, 276.0, 281.0, 285.0, 287.0, 285.0, 285.0, 291.0, 297.0, 298.0, 280.0, 282.0, 273.0, 272.0, 273.0, 276.0, 288.0, 279.0, 298.0, 290.0, 280.0, 292.0, 297.0, 280.0, 277.0, 285.0, 278.0, 280.0, 273.0, 278.0, 285.0, 270.0, 279.0, 277.0, 272.0)	280.4
359.0	(288.0, 286.0, 286.0, 285.0, 283.0, 282.0, 284.0, 279.0, 288.0, 284.0, 272.0, 271.0, 271.0, 267.0, 267.0, 268.0, 268.0, 269.0, 271.0, 281.0, 272.0, 287.0, 284.0, 285.0, 287.0, 290.0, 279.0, 280.0, 274.0, 273.0, 274.0, 279.0, 285.0, 277.0, 288.0, 287.0, 276.0, 280.0, 288.0, 283.0, 295.0, 287.0, 276.0, 288.0, 287.0, 284.0, 271.0, 273.0, 273.0, 271.0, 270.0)	279.3