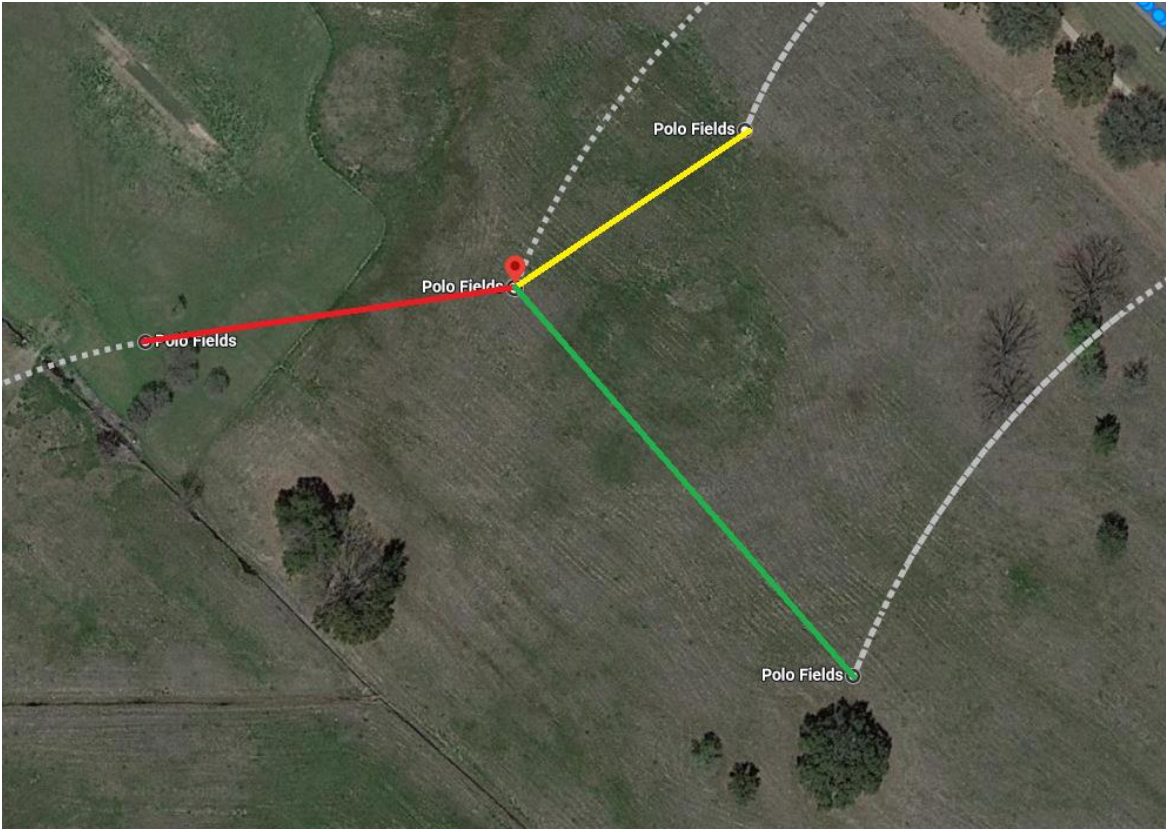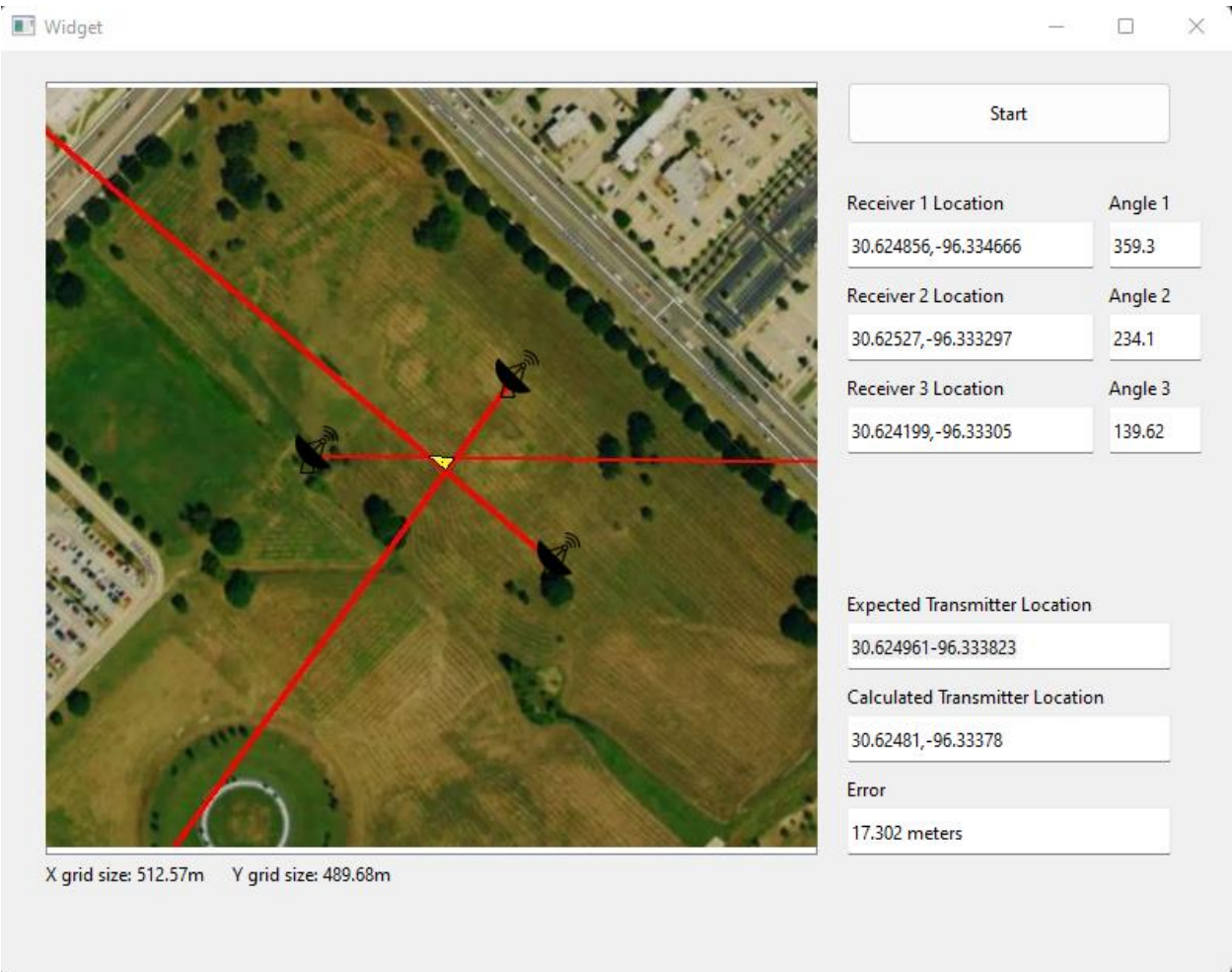1:

recname smallint	rec_lat double precision	rec_long double precision	trans_lat double precision	trans_long double precision	sig_angle double precision
1	1	30.624856	-96.334666	30.624961	-96.333823	359.3
2	2	30.62527	-96.333297	30.624961	-96.333823	234.1
3	3	30.624199	-96.33305	30.624961	-96.333823	139.62

Widget

Start

Receiver 1 Location | Angle 1
30.624856,-96.334666 | 359.3

Receiver 2 Location | Angle 2
30.62527,-96.333297 | 234.1

Receiver 3 Location | Angle 3
30.624199,-96.33305 | 139.62

Expected Transmitter Location
30.624961-96.333823

Calculated Transmitter Location
30.62481,-96.33378

Error
17.302 meters

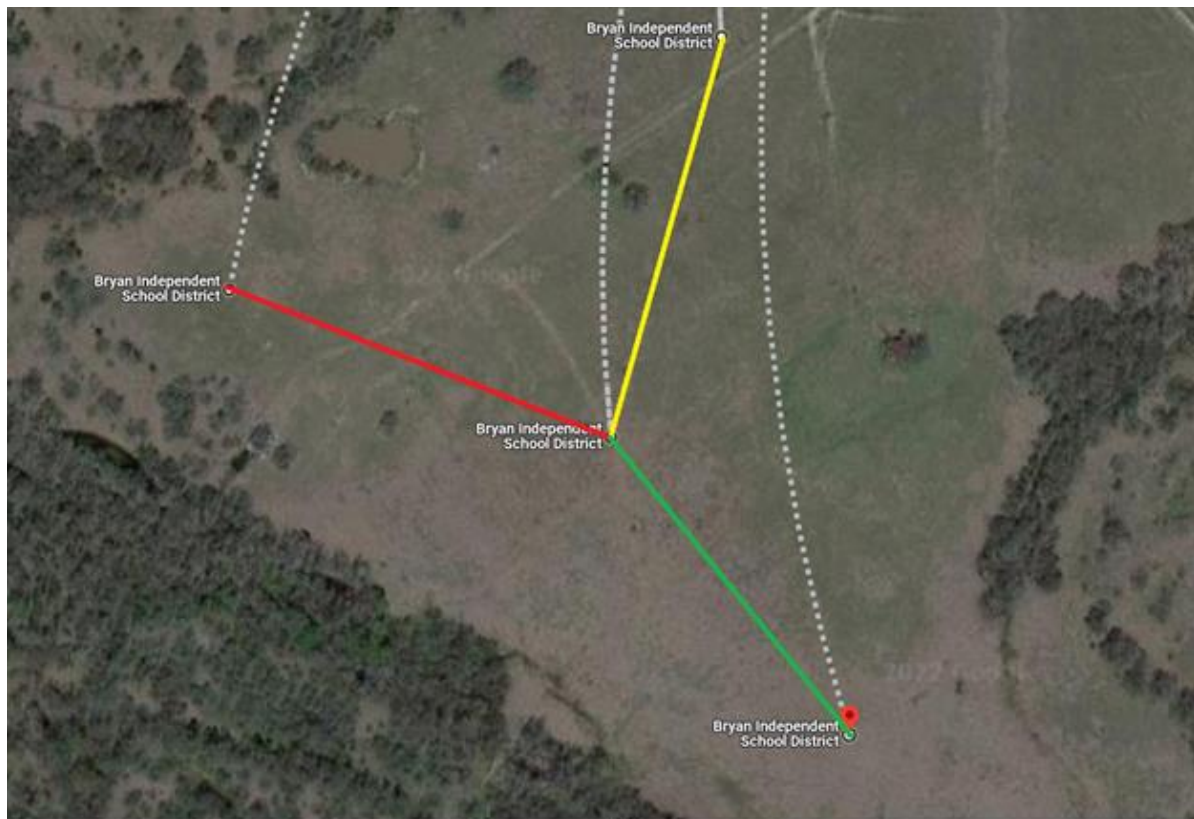X grid size: 512.57m   Y grid size: 489.68m

2:

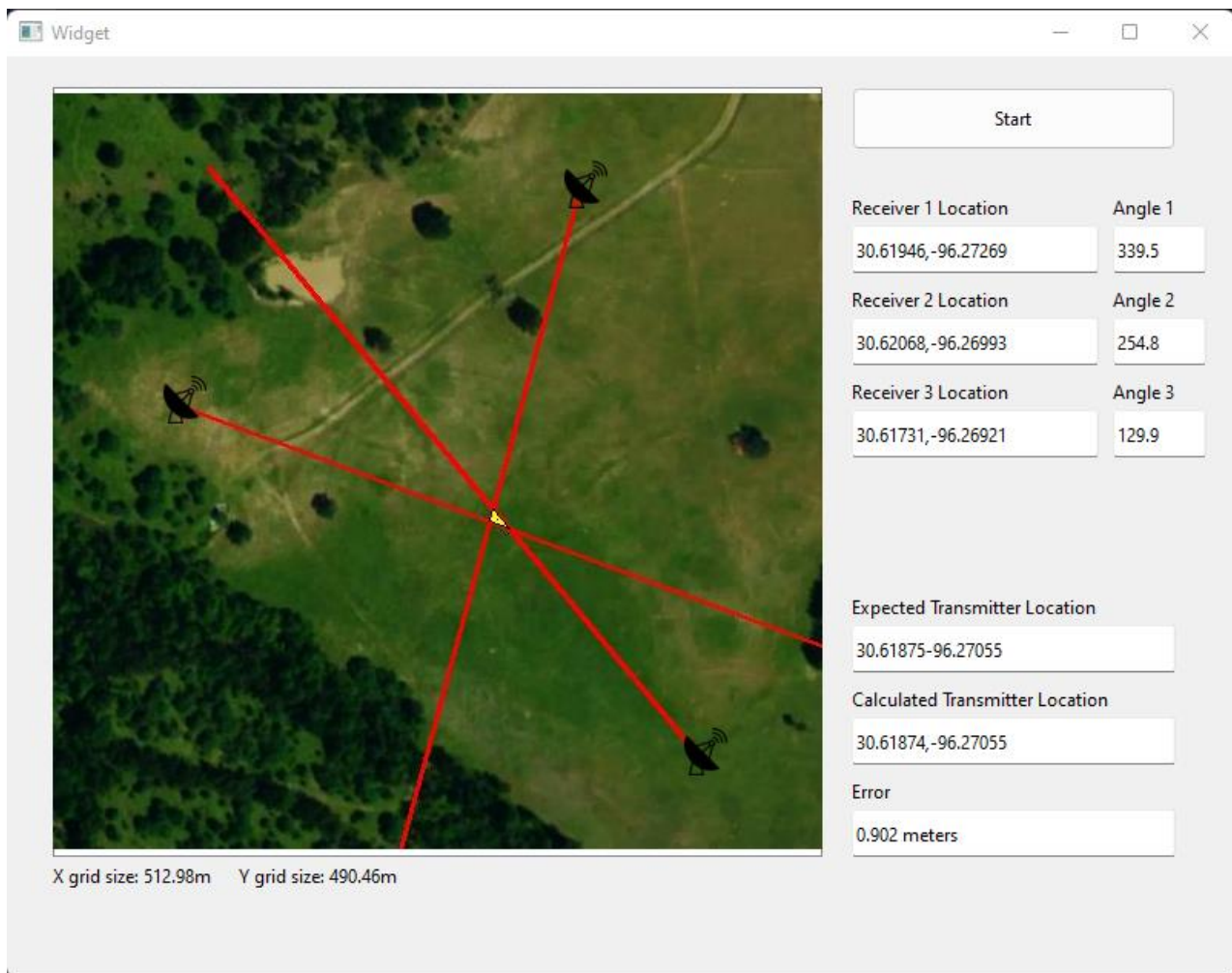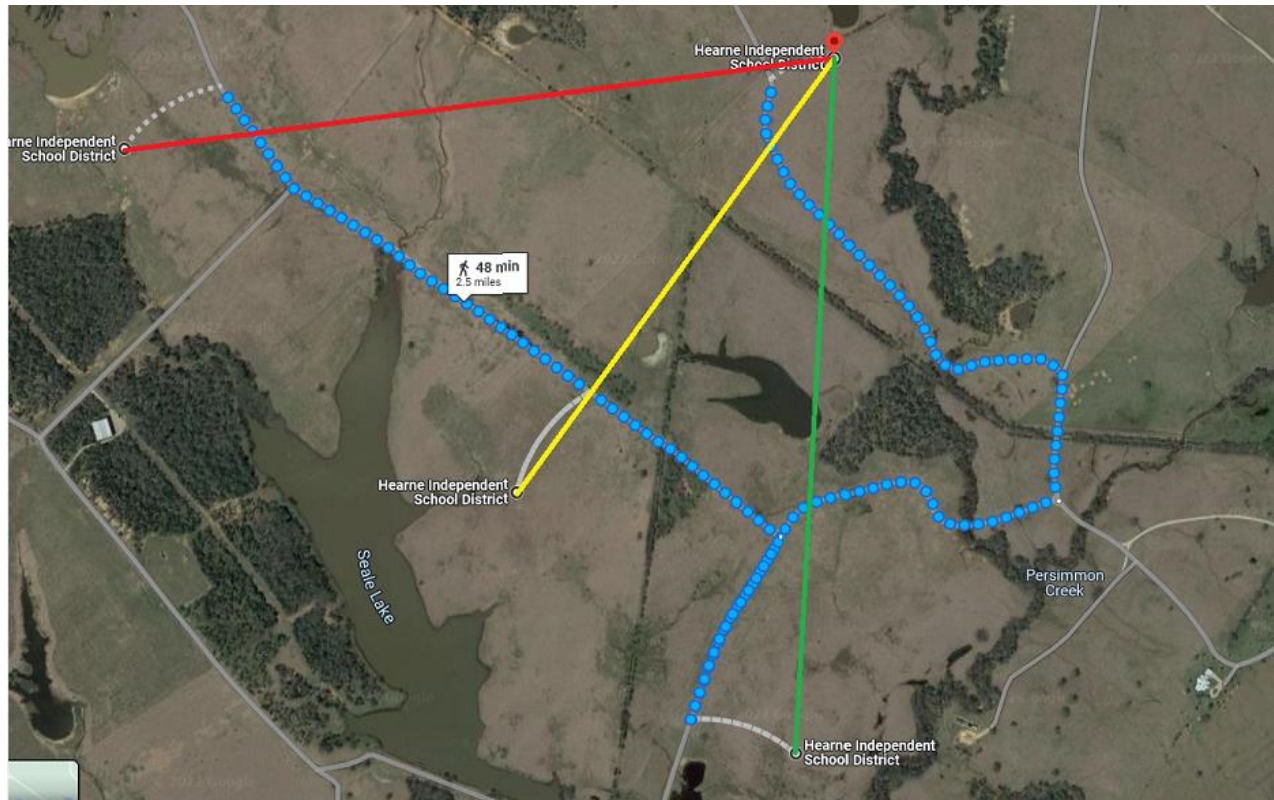| recname smallint	rec_lat double precision	rec_long double precision	trans_lat double precision	trans_long double precision	sig_angle double precision
1	1	30.61946	-96.27269	30.61875	-96.27055	339.5
2	2	30.62068	-96.26993	30.61875	-96.27055	254.8
3	3	30.61731	-96.26921	30.61875	-96.27055	129.9

3:

recname smallint	rec_lat double precision	rec_long double precision	trans_lat double precision	trans_long double precision	sig_angle double precision
1	1	30.81474	-96.45804	30.81631	-96.44355	7.5
2	2	30.80872	-96.45003	30.81631	-96.44355	54
3	3	30.80414	-96.44432	30.81631	-96.44355	87

Widget

Start

Receiver 1 Location | Angle 1
30.81474,-96.45804 | 7.5

Receiver 2 Location | Angle 2
30.80872,-96.45003 | 54.0

Receiver 3 Location | Angle 3
30.80414,-96.44432 | 87.0

Expected Transmitter Location
30.81631-96.44355

Calculated Transmitter Location
30.81622,-96.44334

Error
22.221 meters

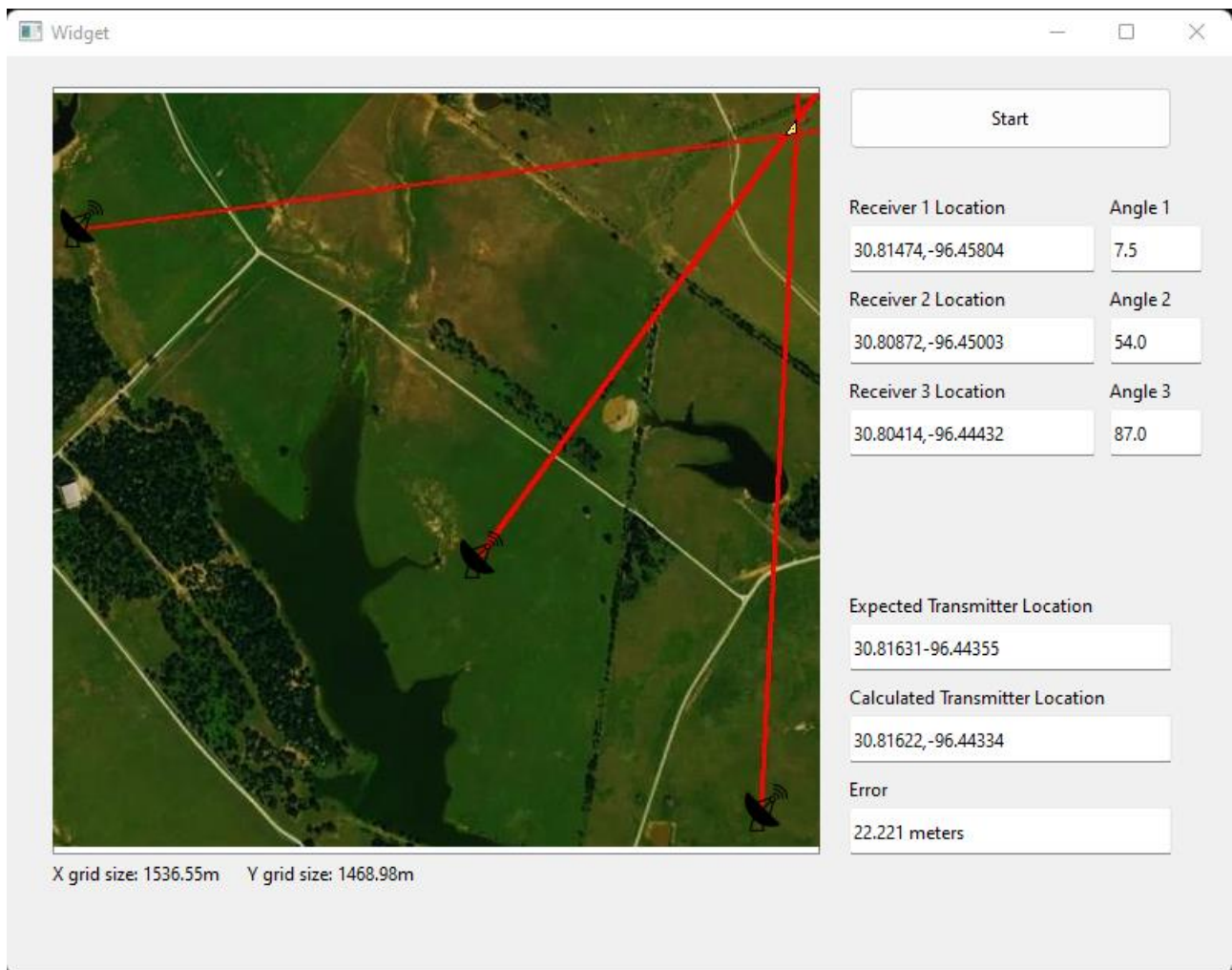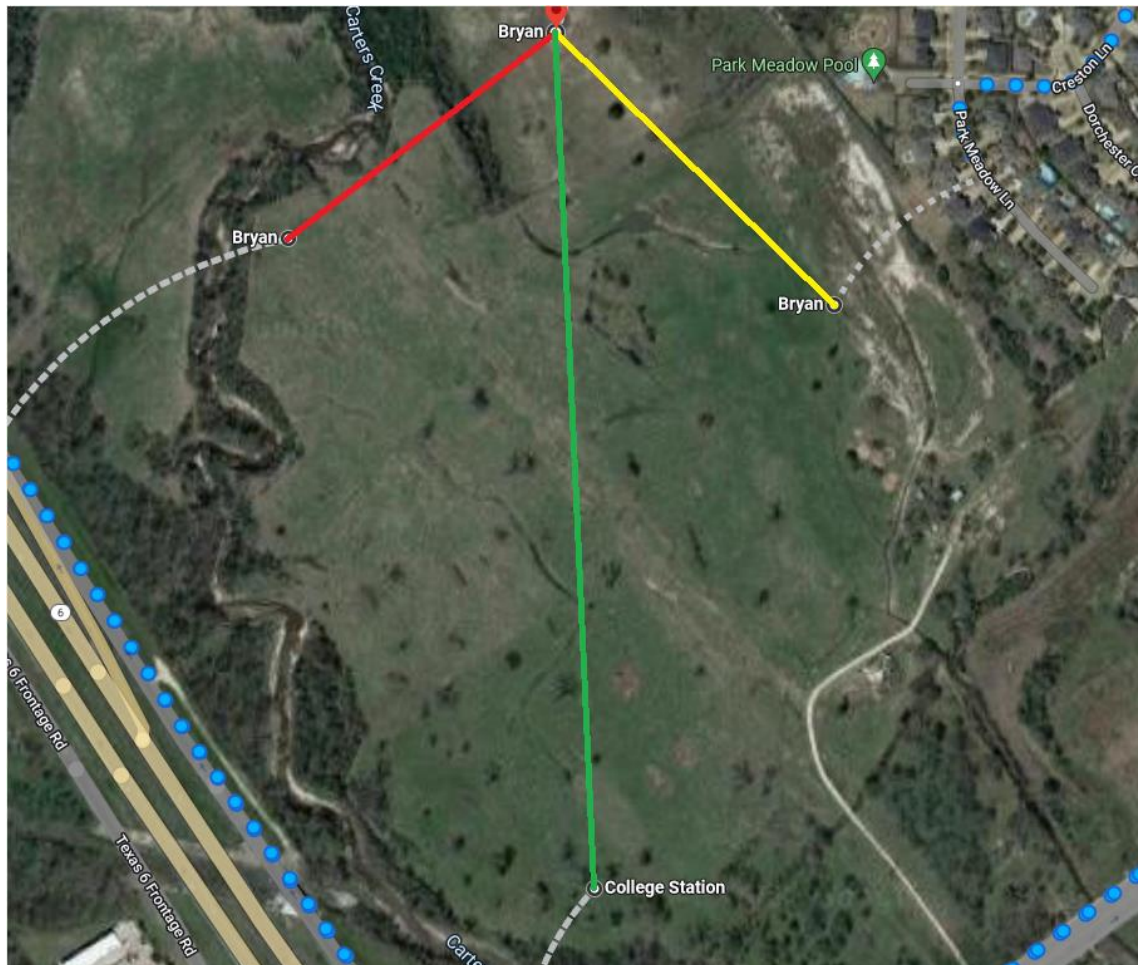X grid size: 1536.55m   Y grid size: 1468.98m

4:

recname smallint	rec_lat double precision	rec_long double precision	trans_lat double precision	trans_long double precision	sig_angle double precision
1	1	30.64911	-96.31248	30.65072	-96.31006	37.5
2	2	30.6486	-96.30753	30.65072	-96.31006	136.1
3	3	30.644052	-96.30971	30.65072	-96.31006	92.9

Widget

Start

Receiver 1 Location
30.64911,-96.31248

Angle 1
37.5

Receiver 2 Location
30.6486,-96.30753

Angle 2
136.1

Receiver 3 Location
30.644052,-96.30971

Angle 3
92.9

Expected Transmitter Location
30.65072-96.31006

Calculated Transmitter Location
30.65073,-96.30993

Error
12.12 meters

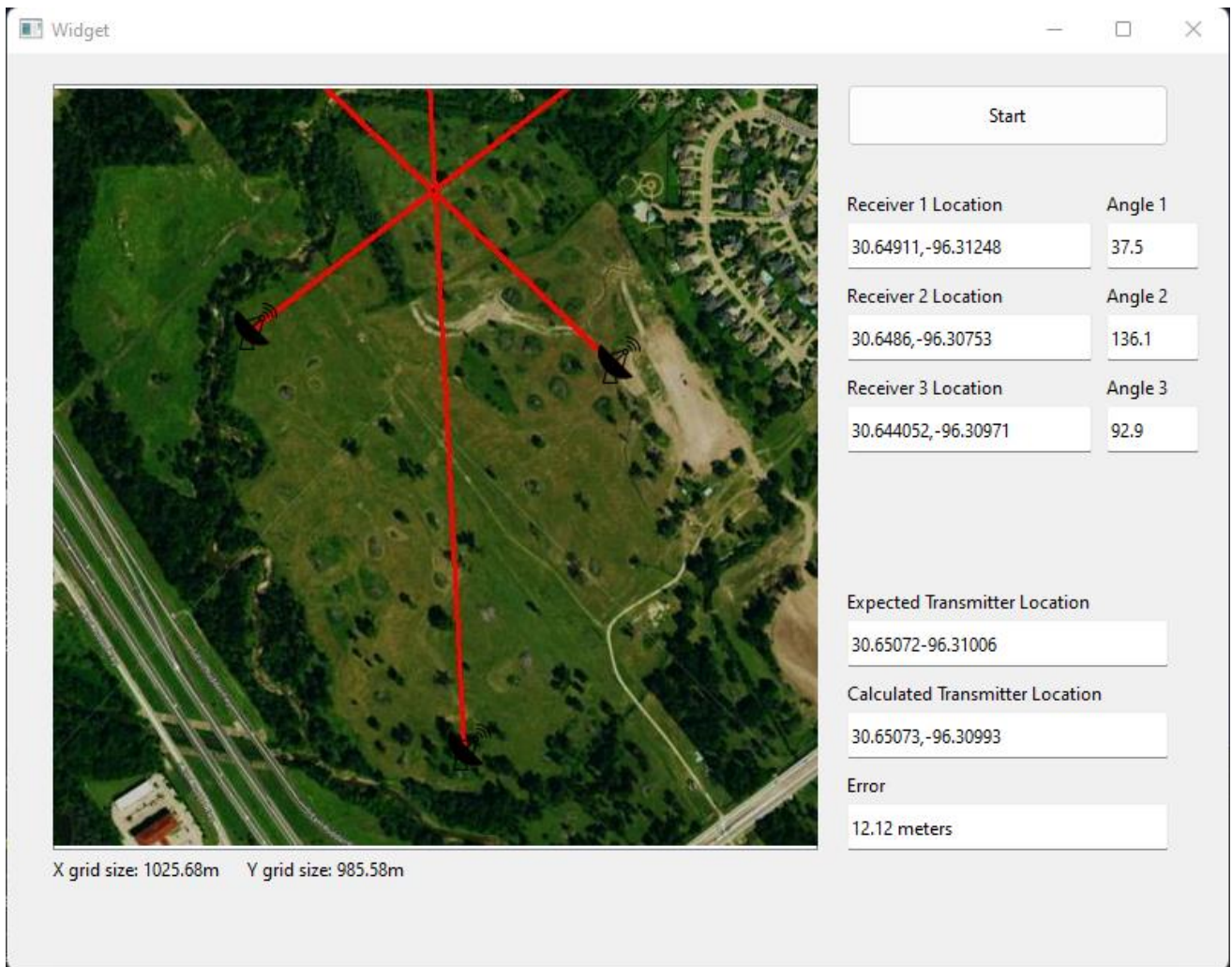X grid size: 1025.68m   Y grid size: 985.58m

5:

recname smallint	rec_lat double precision	rec_long double precision	trans_lat double precision	trans_long double precision	sig_angle double precision
1	1	30.62309	-96.4649	30.62147	-96.45545	348.7
2	2	30.6243	-96.46282	30.62147	-96.45545	336.1
3	3	30.62524	-96.46068	30.62147	-96.45545	320

Widget

Start

Receiver 1 Location · Angle 1
30.62309,-96.4649 · 348.7

Receiver 2 Location · Angle 2
30.6243,-96.46282 · 336.1

Receiver 3 Location · Angle 3
30.62524,-96.46068 · 320.0

Expected Transmitter Location
30.62147-96.45545

Calculated Transmitter Location
30.62127,-96.45546

Error
21.8 meters

X grid size: 1014.43m   Y grid size: 979.14m