



Fugro USA Land, Inc.

| | Lift Begin | | | Lift End | | | Flt Duration | Flt Hrs | Hobbs Hrs | Activity |
|---|------------|--------|-------|----------|--------|-------|--------------|---------|-----------|-----------------|
| | Airport | Chocks | Hobbs | Airport | Chocks | Hobbs | | | | |
| 1 | KLBX | 13:53 | 913.4 | KLBX | 17:18 | 916.4 | 3:25 | 3.50 | 3.0 | 0900-Production |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |

Riegl
Flight Log
AO80-50-00-02

| | | | | | | | | | | | | | | |
|---|--|--------------------------|---------------------------|----------------------|-----------------------|--------------------------|-----------------------------------|-----------------------------------|------------------------------|-----------------------------------|---------------------------------|------------------------------------|------------------------------|---------------------------------------|
| FGI Job # 17004800 | Project Name Coastal Lidar for Texas | | System 680i | Unit 165 | IMU FMU-300 | | | Ground Temp °C 6.0 19.0 | | Min Range' 1542 | Data Logger Drives 14 | | | |
| Flight Date 31-Jan-18 | GPS Day 18-031 | Lift 19 | Sun° | | Solar Times (UTC) | Pulse Rate 130 | Flying Temp °C 10.0 9.0 | | Max Range' 2933 | Download Drive NS1TB-83 | | | | |
| Mission ID (yymmdd_Sen_Job_Lift) 180131_165_17004800_19 | | Aircraft N97HC | Airport ID KLBX | FMS CCNS 5 | UTC -6 | AMT (ft) 2400 | Speed 130 | FOV | Scan Rate (Hz) 330 | MTA 2 | km/WPT 0.440 | Altm Setting 30.20 30.20 | Humidity @ Alt 100 | Shipping Track 771365131280 |

| | | | |
|-------------------------------|----------|-------------------------------------|-------------|
| Pilot #1 Fred Davis | Pilot #2 | Operator #1 Riley Forsyth | Operator #2 |
|-------------------------------|----------|-------------------------------------|-------------|

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|-------------------------|---------------------------------|------------------------|------------------------|-----------------------|------------------|-----------------|-----------------------------------|----------------------------------|------------------------|
| Base 1 ID 036 | Location Angleton, TX | Rec ID GR3-1 | Ant ID GR3-1 | ARP (m) 1.8 | Start Time (UTC) | Stop Time (UTC) | GPS Filename Unit10131m | Operator Riley Forsyth | Data Shipped |
|-------------------------|---------------------------------|------------------------|------------------------|-----------------------|------------------|-----------------|-----------------------------------|----------------------------------|------------------------|

| Area | Flight # | | Wpt | | Distance | | UTC | | Flt Dir | Altitude (GPS) | Speed (knots) | Scan Rate | Comments and Conditions | SVs | PDOP |
|-------|----------|--------|------|----|----------|------|----------|----------|---------|----------------|---------------|-----------|-------------------------|-----|------|
| | FGI | Client | From | To | Begin | End | Start | End | | | | | | | |
| | | | | | | | 13:59:00 | 14:04:00 | | | | | Ground static at KLBX | 14 | 1.4 |
| | | | | | | | 14:32:00 | 14:37:00 | | | | | overfly TXAC cors | 17 | 1.4 |
| | | | | | | | 14:37:17 | | | | | | s turn | 17 | 1.4 |
| TX4pX | 6 | | 110 | 72 | 48 | 31.2 | 14:49:17 | 14:53:41 | W | 2,445 | 130 | | cross tie line | 18 | 1.2 |
| TX4pF | 32 | | 35 | 1 | 15 | 0 | 15:01:06 | 15:05:15 | S | 2,424 | 115 | | | 18 | 1.2 |
| | 31 | | 1 | 35 | 0 | 15 | 15:08:20 | 15:12:19 | N | 2,344 | 132 | | | 18 | 1.2 |
| | 31 | | 35 | 1 | 15 | 0 | 15:16:38 | 15:20:55 | S | 2,425 | 121 | | calibration line | 18 | 1.2 |
| | 30 | | 1 | 43 | 0 | 18.5 | 15:24:19 | 15:29:14 | N | 2,399 | 132 | | | 18 | 1.2 |
| | 29 | | 43 | 1 | 18.5 | 0 | 15:32:33 | 15:37:46 | S | 2,414 | 128 | | | 18 | 1.1 |
| | 28 | | 1 | 50 | 0 | 21.6 | 15:40:45 | 15:46:19 | N | 2,415 | 130 | | | 18 | 1.1 |
| | 27 | | 51 | 1 | 22 | 0 | 15:50:05 | 15:56:09 | S | 2,429 | 123 | | | 17 | 1.2 |
| | 26 | | 1 | 51 | 0 | 22 | 15:59:24 | 16:05:00 | N | 2,416 | 134 | | | 18 | 1.0 |
| | 25 | | 51 | 1 | 22 | 0 | 16:08:38 | 16:14:41 | S | 2,435 | 122 | | | 19 | 1.0 |
| | 24 | | 1 | 51 | 0 | 22 | 16:17:21 | 16:22:58 | N | 2,423 | 135 | | | 19 | 1.0 |
| | 23 | | 51 | 1 | 22 | 0 | 16:26:42 | 16:32:42 | S | 2,398 | 121 | | | 18 | 1.1 |
| | | | | | | | 16:32:53 | | | | | | s turn | 18 | 1.1 |
| | | | | | | | 16:36:00 | 16:41:00 | | | | | overfly TXAC cors | 17 | 1.1 |
| | | | | | | | 17:11:00 | 17:16:00 | | | | | Ground static at KLBX | 16 | 1.2 |