




**Fugro USA Land, Inc.**

18.012

|   | Lift Begin |        |        | Lift End |        |        | Flt Duration | Flt Hrs | Hobbs Hrs | Activity        |
|---|------------|--------|--------|----------|--------|--------|--------------|---------|-----------|-----------------|
|   | Airport    | Chocks | Hobbs  | Airport  | Chocks | Hobbs  |              |         |           |                 |
| 1 | KCXO       | 0:17   | 7763.9 | KCXO     | 3:50   | 7767.4 | 3:33         | 3.50    | 3.5       | 0900-Production |
| 2 |            |        |        |          |        |        |              |         |           |                 |
| 3 |            |        |        |          |        |        |              |         |           |                 |



**Riegl**  
**Flight Log**  
AO80-50-00-02

|   |  |                          |                           |                      |                       |                               |                           |   |                              |                           |                                 |   |                             |                            |
|---|--|--------------------------|---------------------------|----------------------|-----------------------|-------------------------------|---------------------------|---|------------------------------|---------------------------|---------------------------------|---|-----------------------------|----------------------------|
| FGI Job #<br><b>04.17004800</b>                                   | Project Name<br><b>Coastal Lidar for Texas</b> |                          | System<br><b>780</b>      | Unit<br><b>421</b>   | IMU<br><b>FMU-300</b> |                               |                           | Ground Temp °C<br><b>17.0</b>   <b>12.0</b> |                              | Min Range'<br><b>2018</b> | Data Logger Drives<br><b>01</b> |   |                             |                            |
| Flight Date<br><b>2-Mar-18</b>                                    | GPS Day<br><b>18-061</b>                       | Lift<br><b>21</b>        |                           |                      | Sun°<br><b>-</b>      | Solar Times (UTC)<br><b>-</b> | Pulse Rate<br><b>250k</b> | Flying Temp °C<br><b>16.0</b>   <b>10.0</b> |                              | Max Range'<br><b>3888</b> | Download Drive                  |   |                             |                            |
| Mission ID (yymmdd_Sen_Job_Lift)<br><b>180302_421_17004800_21</b> |  | Aircraft<br><b>N76JN</b> | Airport ID<br><b>KCXO</b> | FMS<br><b>CCNS 8</b> | UTC<br><b>-6</b>      | AMT (ft)<br><b>3250</b>       | Speed<br><b>140</b>       | FOV<br><b>60</b>                            | Scan Rate (Hz)<br><b>100</b> | MTA<br><b>2</b>           | km/WPT<br><b>0.593</b>          | Altm Setting<br><b>30.23</b>   <b>30.20</b> | Humidity @ Alt<br><b>87</b> | Shipping Track<br><b>-</b> |

|                                   |          |                                    |             |
|-----------------------------------|----------|------------------------------------|-------------|
| Pilot #1<br><b>Jeffrey Clarke</b> | Pilot #2 | Operator #1<br><b>Chris Fought</b> | Operator #2 |
|-----------------------------------|----------|------------------------------------|-------------|

|                               |                         |                         |                         |                       |  |                                       |                                   |                                 |                        |
|-------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|--|---------------------------------------|-----------------------------------|---------------------------------|------------------------|
| Base 1 ID<br><b>FEDI 5048</b> | Location<br><b>KCXO</b> | Rec ID<br><b>GR3 U5</b> | Ant ID<br><b>Unit 6</b> | ARP (m)<br><b>1.8</b> | Start Time (UTC)<br><b>3/2/17 0010</b> | Stop Time (UTC)<br><b>3/2/17 0959</b> | GPS Filename<br><b>Unit60302a</b> | Operator<br><b>Chris Fought</b> | Data<br><b>With AB</b> |
|-------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|--|---------------------------------------|-----------------------------------|---------------------------------|------------------------|

| Area    | Flight # |        | Wpt  |     | Distance |      | UTC     |         | Flt | Altitude | Speed   | Scan  | Comments and Conditions | SVs | PDOP |
|---------|----------|--------|------|-----|----------|------|---------|---------|-----|----------|---------|-------|-------------------------|-----|------|
|         | FGI      | Client | From | To  | Begin    | End  | Start   | End     | Dir | (GPS)    | (knots) | Rate  |                         |     |      |
|         |          |        |      |     |          |      | 6:24:00 | 6:29:00 |     |          |         |       | GROUND STATIC           | 16  | 1.2  |
|         |          |        |      |     |          |      | 6:35:00 | 6:39:00 |     |          |         |       | alignment turns         | 18  | 1.0  |
| TX2pAgX | 3        |        | 55   | 40  | 32       | 23.1 | 6:43:16 | 6:45:38 | 270 | 3,260    | 140     | 100.0 | X line                  | 14  | 1.4  |
| TX2pAgA | 84       |        | 160  | 1   | 94.3     | 0    | 6:52:56 | 7:15:45 | 180 | 3,210    | 140     | 100.0 |                         | 15  | 1.3  |
|         | 85       |        | 1    | 159 | 0        | 93.7 | 7:19:12 | 7:41:55 | 360 | 3,210    | 140     | 100.0 |                         | 17  | 1.0  |
|         | 86       |        | 158  | 1   | 93.1     | 0    | 7:45:00 | 8:07:29 | 180 | 3,210    | 140     | 100.0 |                         | 16  | 1.2  |
|         | 86       |        | 1    | 7   | 0        | 3.6  | 8:10:32 | 8:11:43 | 360 | 3,210    | 140     | 100.0 | calibration line        | 15  | 1.2  |
|         | 87       |        | 1    | 158 | 0        | 93.1 | 8:16:50 | 8:39:16 | 360 | 3,210    | 140     | 100.0 |                         | 15  | 1.2  |
|         | 88       |        | 157  | 1   | 92.5     | 0    | 8:42:45 | 9:05:07 | 180 | 3,210    | 140     | 100.0 |                         | 16  | 1.0  |
|         | 89       |        | 1    | 157 | 0        | 92.5 | 9:08:39 | 9:30:53 | 360 | 3,210    | 140     | 100.0 |                         | 15  | 1.0  |
|         |          |        |      |     |          |      | 9:31:00 | 9:35:00 |     |          |         |       | alignment turns         | 15  | 1.0  |
|         |          |        |      |     |          |      | 9:42:00 | 9:47:00 |     |          |         |       | GROUND STATIC           | 13  | 1.1  |