

|                 |  |
|-----------------|--|
| Name:           | MARK SCHOENHOFF  |
| Project Name:   | ACR  |
| Output File:    | GA_NC Q75_NORTH<br>Q-ROUTE ENEME GSO<br>20180407_0836                    |
| Procedure Name: | Q75  |
| Software:       | RNAV-Pro™  |
| Version:        | 2.39g  |
| Date/Time:      | 4/7/2018 8:38:15 AM  |
| Input File:     | GA_NC Q75_NORTH<br>ENEME GSO 20180407.txt                                |
| Databases:      | AIRNAV Date: 3/22/2018<br>CIFP Date: 11/9/2017<br>DTED® (MAX) Date: 2002 |

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

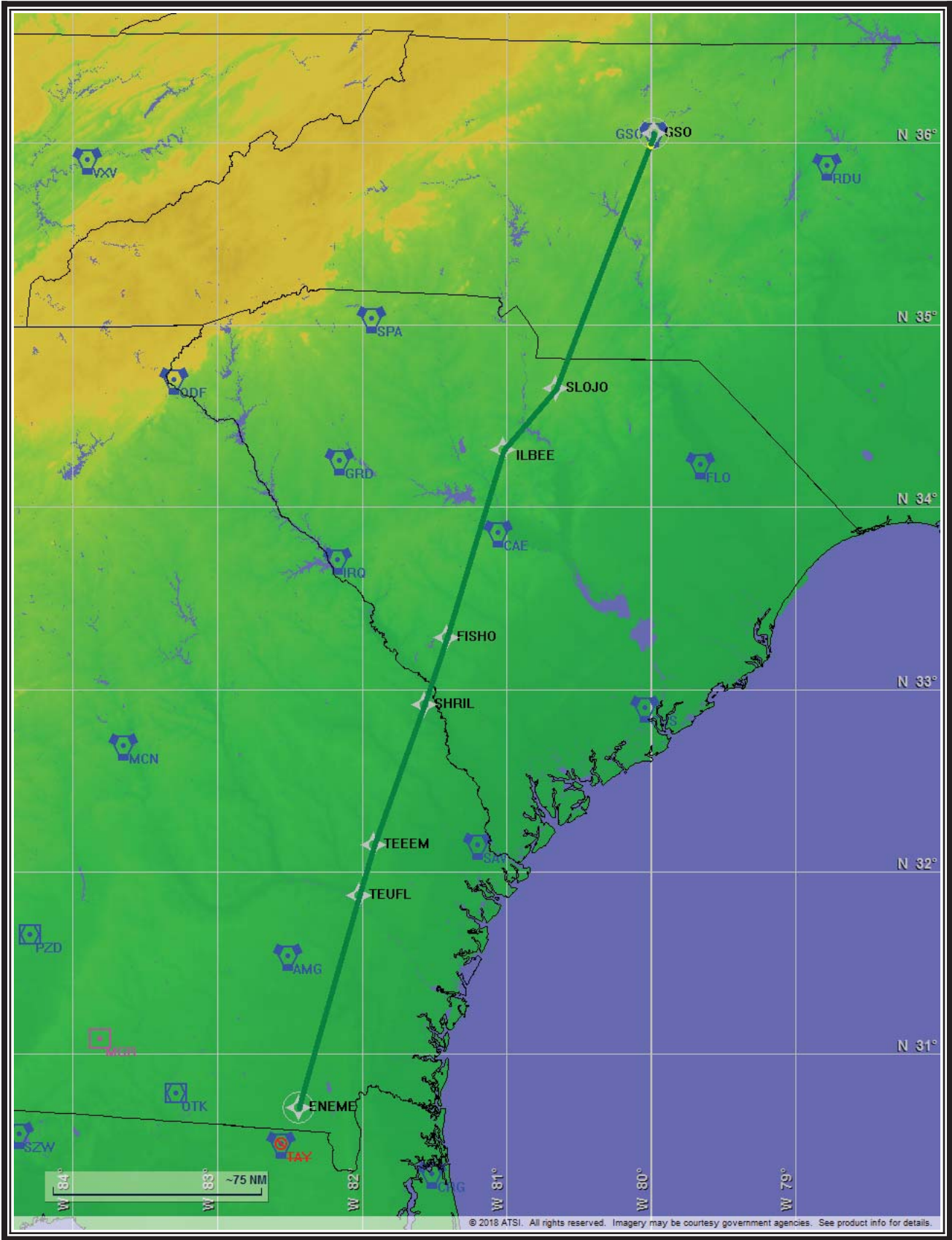


Comms



TERPS

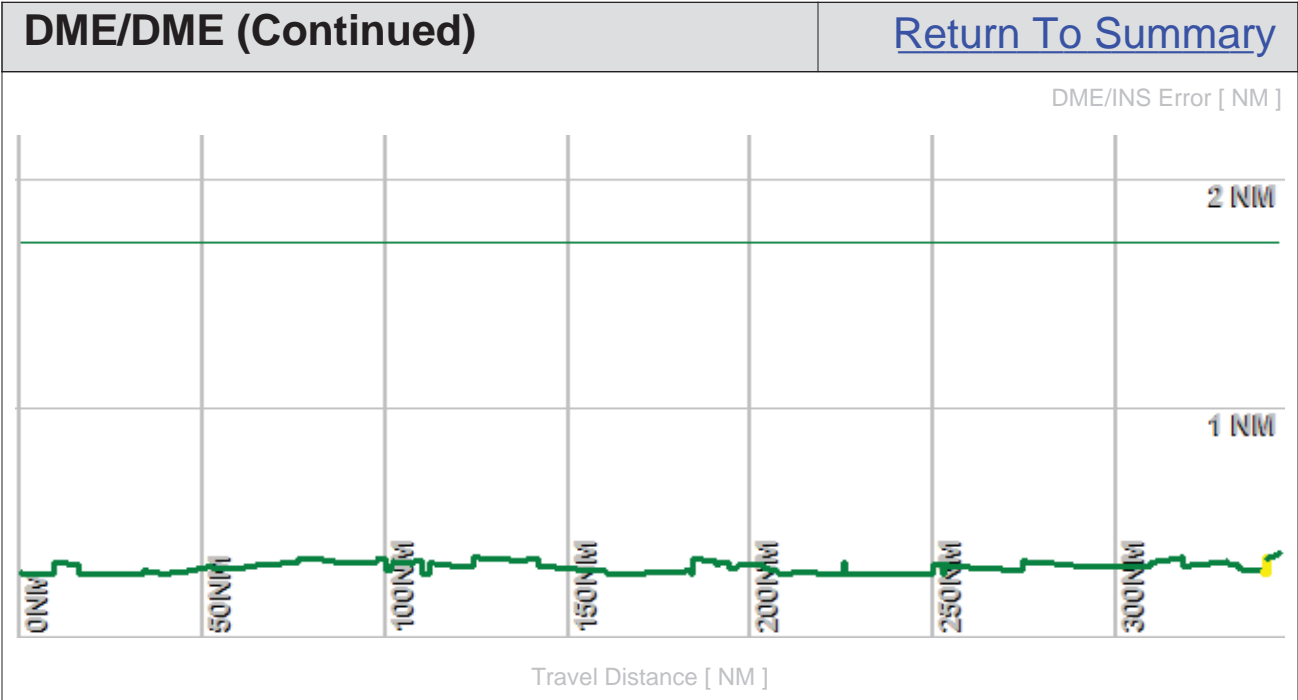




| Flight Plan |      |                                      |          |           | <a href="#">Return To Summary</a> |           |          |
|-------------|------|--------------------------------------|----------|-----------|-----------------------------------|-----------|----------|
| Name        | Type | Lat/Lon                              | Alt [ft] | VNAV Mode | IAS [Kts]                         | Turn Type | Leg Type |
| ENEME       | WP   | N 30° 42' 12.09"<br>W 82° 26' 9.31"  | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| TEUFL       | WP   | N 31° 52' 0.46"<br>W 82° 1' 4.56"    | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| TEEEM       | WP   | N 32° 8' 41.20"<br>W 81° 54' 50.57"  | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| SHRIL       | WP   | N 32° 54' 42.21"<br>W 81° 34' 9.78"  | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| FISHO       | WP   | N 33° 16' 46.25"<br>W 81° 24' 43.52" | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| ILBEE       | WP   | N 34° 18' 41.66"<br>W 81° 1' 7.88"   | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| SLOJO       | WP   | N 34° 38' 46.31"<br>W 80° 39' 25.63" | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| GSO         | WP   | N 36° 2' 44.49"<br>W 79° 58' 34.95"  | 18000.0  | Step      | 240.0                             | Fly Over  | TF       |

| Flyability |  | <a href="#">Return To Summary</a> |
|------------|--|-----------------------------------|
| Settings:  | <b>Flight Type:</b> EnRoute<br><b>Aircraft Category:</b> Cat D<br><b>Climb Gradient:</b> <i>None assigned</i><br><b>Ground Speeds:</b><br>Table:<br><b>200.0 Kts</b> up to <b>11000.0 ft</b><br><b>240.0 Kts</b> up to <b>18000.0 ft</b><br><b>260.0 Kts</b> up to <b>24000.0 ft</b><br><b>340.0 Kts</b> up to <b>99900.0 ft</b><br><br><b>Wind Settings:</b> <i>None assigned</i><br><b>Descent During a Turn:</b> Allowed<br><b>VNAV Mode:</b> Flight Plan |                                   |
|            | Entire track is fly-able   |                                   |

| DME/DME   | <a href="#">Return To Summary</a>   |
|---|---|
| <b>Settings:</b>  | <p>RNP: 2.0<br/> <b>Flight Mode:</b> Manual<br/> <b>Line of Sight (DTED Level 0 Max):</b> Evaluated<br/> <b>DME Restrictions:</b> Evaluated<br/> <b>Inertial Drift:</b> Enabled<br/>             <b>Initial Drift:</b> 0.558 NM<br/>             <b>INS Drift Rate:</b> 8.000 NM/Hour<br/> <b>Range Mode:</b> OSV<br/> <b>Co-Frequencies:</b> Evaluated<br/> <b>RNP Edges:</b> Evaluated<br/> <b>Min DME Range:</b> 3.0 NM<br/> <b>Allowed Gap Length:</b> 4.0 NM<br/> <b>DME Types:</b> VOR/DME, VORTAC, Standalone, and User<br/> <b>DME Include Angles:</b> 30 to 150<br/> <b>Critical DMEs:</b> Not allowed<br/> <b>DoD Facilities:</b> Not included<br/> <b>Foreign Facilities:</b> Not included<br/> <b>Low DMEs:</b> Not included<br/> <b>Terminal DMEs:</b> Not included<br/> <b>Flight Check DMEs:</b> Selected<br/> <b>Higher Altitudes:</b> Evaluated<br/> <b>Near Maximum Altitude:</b> Evaluated</p> |
| <p><b>Total Number of DMEs Used:</b> 14</p> <p>Maximum DME Error: 0.368 NM.</p> <p>No Critical DMEs were found.</p> <p><b>Available DMEs:</b> AMG, CRG, OTK, SAV, MCN, IRQ, CAE, CHS, GRD, FLO, SPA, GSO, RDU, PSK</p> <p><b>Disabled DMEs:</b> TAY</p> |   |

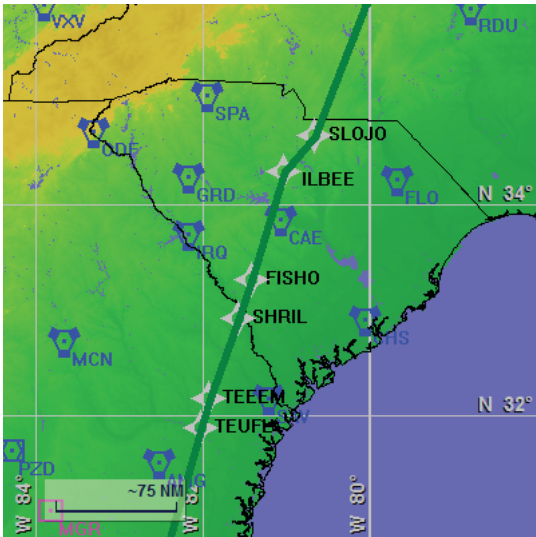


| DME/DME (Continued)        |                |  |       |          |          | <a href="#">Return To Summary</a> |         |           |          |
|----------------------------|----------------|--|-------|----------|----------|-----------------------------------|---------|-----------|----------|
| DMEs Used                  |                |  |       |          |          |                                   |         |           |          |
| #                          | Name           | Lat/Lon/MAGVAR                               | Range | Source   | Critical | Err. [NM]                         | Status  | Time      | Distance |
| 1                          | AMG            | N 31° 32' 11.60"<br>W 82° 30' 29.12"<br>00 E | H     | Database | NO       | 0.722                             | Enabled | 16.2%     | 16.2%    |
| 2                          | OTK            | N 30° 46' 49.60"<br>W 83° 16' 47.02"<br>02 W | H     | Database | NO       | 0.379                             | Enabled | 12.0%     | 12.0%    |
| 3                          | CRG            | N 30° 20' 19.97"<br>W 81° 30' 35.74"<br>03 W | H     | Database | NO       | 1.162                             | Enabled | 13.3%     | 13.3%    |
| 4                          | SAV            | N 32° 8' 46.56"<br>W 81° 11' 56.78"<br>06 W  | H     | Database | NO       | 0.419                             | Enabled | 14.7%     | 14.7%    |
| 5                          | MCN            | N 32° 41' 28.27"<br>W 83° 38' 49.86"<br>01 E | H     | Database | NO       | 0.579                             | Enabled | 3.6%      | 3.6%     |
| 6                          | IRQ            | N 33° 42' 26.47"<br>W 82° 9' 43.43"<br>04 W  | H     | Database | NO       | 0.398                             | Enabled | 14.4%     | 14.4%    |
| 7                          | CAE            | N 33° 51' 26.10"<br>W 81° 3' 14.05"<br>02 W  | H     | Database | NO       | 0.506                             | Enabled | 26.9%     | 26.9%    |
| 8                          | CHS            | N 32° 53' 39.55"<br>W 80° 2' 16.13"<br>05 W  | H     | Database | NO       | 0.373                             | Enabled | 18.4%     | 18.4%    |
| 9                          | GRD            | N 34° 15' 5.64"<br>W 82° 9' 14.94"<br>01 W   | H     | Database | NO       | 0.368                             | Enabled | 6.7%      | 6.7%     |
| 10                         | FLO            | N 34° 13' 58.69"<br>W 79° 39' 25.78"<br>03 W | H     | Database | NO       | 0.533                             | Enabled | 31.1%     | 31.1%    |
| 11                         | SPA            | N 35° 2' 1.05"<br>W 81° 55' 37.24"<br>02 W   | H     | Database | NO       | 0.368                             | Enabled | 14.8%     | 14.8%    |
| 12                         | GSO            | N 36° 2' 44.49"<br>W 79° 58' 34.95"<br>03 W  | H     | Database | NO       | 0.384                             | Enabled | 9.4%      | 9.4%     |
| 13                         | RDU            | N 35° 52' 21.08"<br>W 78° 47' 0.03"<br>04 W  | H     | Database | NO       | 0.887                             | Enabled | 16.6%     | 16.6%    |
| 14                         | PSK            | N 37° 5' 15.74"<br>W 80° 42' 46.44"<br>06 W  | H     | Database | NO       | 0.412                             | Enabled | 1.8%      | 1.8%     |
|                            | Total Coverage |  |       |          |          |                                   |         | 100.0%    | 100.0%   |
| Flight Check DME Selection |                |  |       |          |          |                                   |         |           |          |
| Distance [NM]              |                | Selected DMEs (Required)                     |       |          |          |                                   |         | Alternate |          |
| 0.0                        |                | AMG  | OTK   | CRG      | SAV      |                                   |         |           |          |
| 72.9                       |                | AMG  | MCN   | CRG      | SAV      | IRQ                               |         | OTK       |          |
| 90.1                       |                | AMG  | MCN   | SAV      | IRQ      |                                   |         |           |          |

| DME/DME (Continued)                    |                          |     |     | <a href="#">Return To Summary</a> |     |           |
|--|--------------------------|-----|-----|-----------------------------------|-----|-----------|
| Flight Check DME Selection (Continued) |                          |     |     |                                   |     |           |
| Distance [NM]                          | Selected DMEs (Required) |     |     |                                   |     | Alternate |
| 100.2                                  | AMG                      | CHS | CAE | SAV                               | IRQ | MCN       |
| 121.0                                  | AMG                      | CHS | CAE | GRD                               | IRQ | SAV       |
| 139.4                                  | SAV                      | CHS | CAE | GRD                               | IRQ | AMG       |
| 162.7                                  | SAV                      | CHS | CAE | GRD                               | IRQ |           |
| 172.8                                  | SAV                      | CHS | CAE | GRD                               | FLO | IRQ       |
| 184.0                                  | SAV                      | SPA | CAE | IRQ                               | FLO | GRD       |
| 195.3                                  | CHS                      | SPA | CAE | IRQ                               | FLO | GRD       |
| 211.1                                  | CHS                      | GRD | CAE | IRQ                               | FLO | SPA       |
| 226.9                                  | SPA                      | GRD | CAE | IRQ                               | FLO |           |
| 237.0                                  | SPA                      | GSO | CAE | IRQ                               | FLO | GRD       |
| 253.9                                  | SPA                      | GSO | GRD | IRQ                               | FLO | CAE       |
| 264.0                                  | SPA                      | GSO | GRD | CAE                               | FLO |           |
| 278.6                                  | RDU                      | GSO | GRD | CAE                               | FLO | SPA       |
| 288.7                                  | RDU                      | GSO | SPA | CAE                               | FLO |           |
| 325.1                                  | RDU                      | GSO | PSK | FLO                               |     |           |



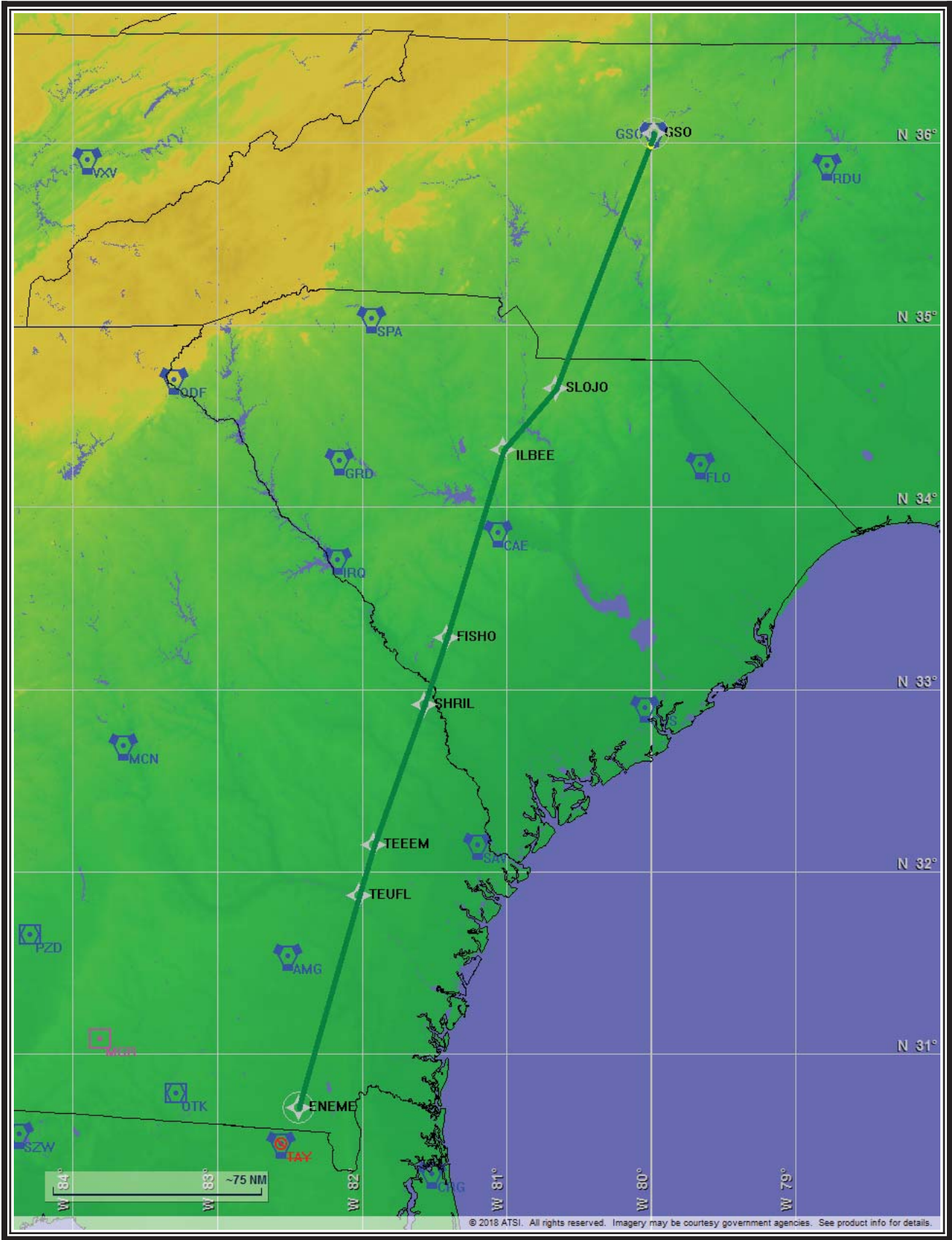
| Available DMEs by Waypoints |                | <a href="#">Return To Summary</a>          |
|-----------------------------|----------------|--|
| Waypoint Before             | Waypoint After | DME List                                   |
| ENEME                       | TEUFL          | AMG, CRG, OTK, and SAV                     |
| TEUFL                       | TEEEM          | AMG, CRG, IRQ, MCN, SAV, and OTK*          |
| TEEEM                       | SHRIL          | AMG, CAE, CHS, GRD, IRQ, MCN, and SAV      |
| SHRIL                       | FISHO          | CAE, CHS, GRD, IRQ, SAV, and AMG*          |
| FISHO                       | ILBEE          | CAE, CHS, FLO, GRD, IRQ, SAV, and SPA      |
| ILBEE                       | SLOJO          | CAE, FLO, GRD, GSO, IRQ, and SPA           |
| SLOJO                       | GSO            | CAE, FLO, GRD, GSO, IRQ, PSK, RDU, and SPA |



|                 |  |
|-----------------|--|
| Name:           | MARK SCHOENHOFF  |
| Project Name:   | ACR  |
| Output File:    | NC_GA Q75_SOUTH<br>Q-ROUTE GSO ENEME<br>20180407_0836                    |
| Procedure Name: | Q75  |
| Software:       | RNAV-Pro™  |
| Version:        | 2.39g  |
| Date/Time:      | 4/7/2018 8:37:47 AM  |
| Input File:     | NC_GA Q75 SOUTH GSO<br>ENEME 20180407.txt                                |
| Databases:      | AIRNAV Date: 3/22/2018<br>CIFP Date: 11/9/2017<br>DTED® (MAX) Date: 2002 |

Results Summary:

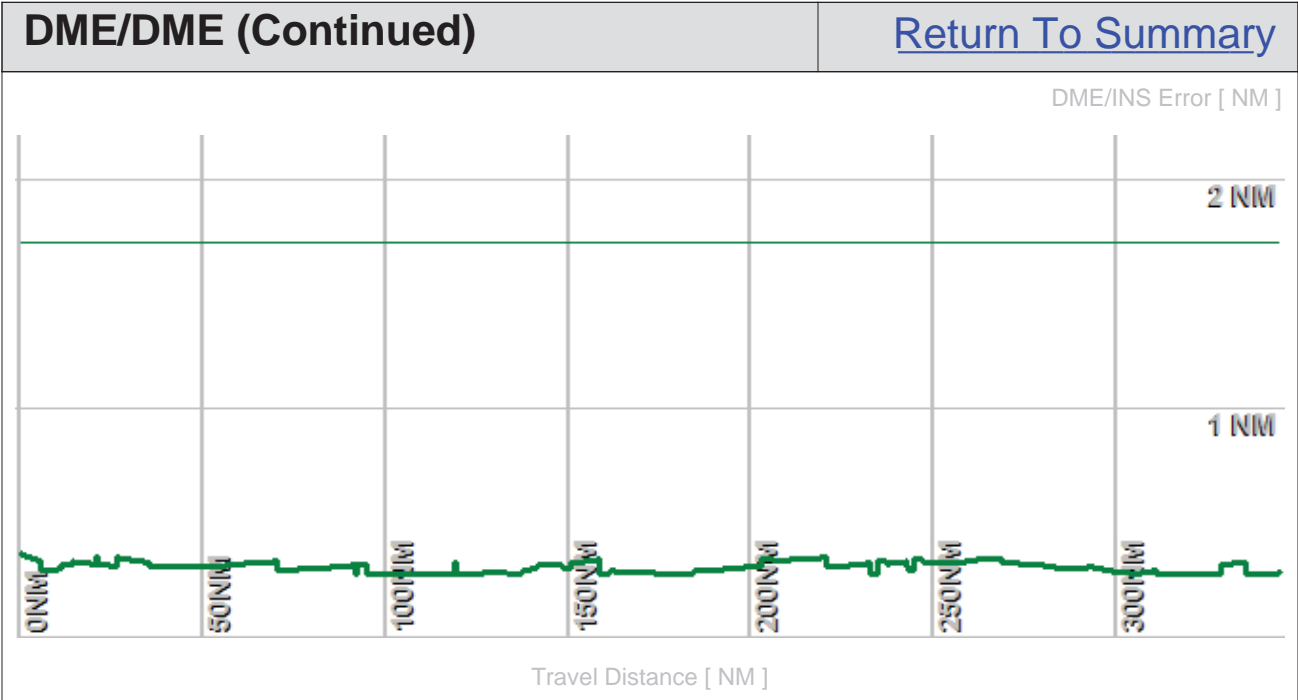
|            |   |                        |
|------------|---|------------------------|
| Flyability | ✓ |                        |
| DME/DME    | ✓ | No Critical DMEs Exist |
| Radars     | ? |                        |
| Comms      | ? |                        |
| TERPS      | ? |                        |



| Flight Plan |      |                                      |          |           | <a href="#">Return To Summary</a> |           |          |
|-------------|------|--------------------------------------|----------|-----------|-----------------------------------|-----------|----------|
| Name        | Type | Lat/Lon                              | Alt [ft] | VNAV Mode | IAS [Kts]                         | Turn Type | Leg Type |
| GSO         | WP   | N 36° 2' 44.49"<br>W 79° 58' 34.95"  | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| SLOJO       | WP   | N 34° 38' 46.31"<br>W 80° 39' 25.63" | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| ILBEE       | WP   | N 34° 18' 41.66"<br>W 81° 1' 7.88"   | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| FISHO       | WP   | N 33° 16' 46.25"<br>W 81° 24' 43.52" | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| SHRIL       | WP   | N 32° 54' 42.21"<br>W 81° 34' 9.78"  | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| TEEEM       | WP   | N 32° 8' 41.20"<br>W 81° 54' 50.57"  | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| TEUFL       | WP   | N 31° 52' 0.46"<br>W 82° 1' 4.56"    | 18000.0  | Step      | 240.0                             | Fly By    | TF       |
| ENEME       | WP   | N 30° 42' 12.09"<br>W 82° 26' 9.31"  | 18000.0  | Step      | 240.0                             | Fly Over  | TF       |

| Flyability |  | <a href="#">Return To Summary</a> |
|------------|--|-----------------------------------|
| Settings:  | <b>Flight Type:</b> EnRoute<br><b>Aircraft Category:</b> Cat D<br><b>Climb Gradient:</b> <i>None assigned</i><br><b>Ground Speeds:</b><br>Table:<br><b>200.0 Kts</b> up to <b>11000.0 ft</b><br><b>240.0 Kts</b> up to <b>18000.0 ft</b><br><b>260.0 Kts</b> up to <b>24000.0 ft</b><br><b>340.0 Kts</b> up to <b>99900.0 ft</b><br><br><b>Wind Settings:</b> <i>None assigned</i><br><b>Descent During a Turn:</b> Allowed<br><b>VNAV Mode:</b> Flight Plan |                                   |
|            | Entire track is fly-able   |                                   |

| DME/DME   | <a href="#">Return To Summary</a>   |
|---|---|
| <b>Settings:</b>  | <p>RNP: 2.0<br/> <b>Flight Mode:</b> Manual<br/> <b>Line of Sight (DTED Level 0 Max):</b> Evaluated<br/> <b>DME Restrictions:</b> Evaluated<br/> <b>Inertial Drift:</b> Enabled<br/>             <b>Initial Drift:</b> 0.558 NM<br/>             <b>INS Drift Rate:</b> 8.000 NM/Hour<br/> <b>Range Mode:</b> OSV<br/> <b>Co-Frequencies:</b> Evaluated<br/> <b>RNP Edges:</b> Evaluated<br/> <b>Min DME Range:</b> 3.0 NM<br/> <b>Allowed Gap Length:</b> 4.0 NM<br/> <b>DME Types:</b> VOR/DME, VORTAC, Standalone, and User<br/> <b>DME Include Angles:</b> 30 to 150<br/> <b>Critical DMEs:</b> Not allowed<br/> <b>DoD Facilities:</b> Not included<br/> <b>Foreign Facilities:</b> Not included<br/> <b>Low DMEs:</b> Not included<br/> <b>Terminal DMEs:</b> Not included<br/> <b>Flight Check DMEs:</b> Selected<br/> <b>Higher Altitudes:</b> Evaluated<br/> <b>Near Maximum Altitude:</b> Evaluated</p> |
| <p><b>Total Number of DMEs Used:</b> 14</p> <p>Maximum DME Error: 0.368 NM.</p> <p>No Critical DMEs were found.</p> <p><b>Available DMEs:</b> PSK, RDU, GSO, FLO, SPA, CAE, GRD, IRQ, CHS, SAV, AMG, MCN, OTK, CRG</p> <p><b>Disabled DMEs:</b> TAY</p> |   |



| DME/DME (Continued)        |                |  |       |          |          | <a href="#">Return To Summary</a> |         |           |          |
|----------------------------|----------------|--|-------|----------|----------|-----------------------------------|---------|-----------|----------|
| DMEs Used                  |                |  |       |          |          |                                   |         |           |          |
| #                          | Name           | Lat/Lon/MAGVAR                               | Range | Source   | Critical | Err. [NM]                         | Status  | Time      | Distance |
| 1                          | PSK            | N 37° 5' 15.74"<br>W 80° 42' 46.44"<br>06 W  | H     | Database | NO       | 0.727                             | Enabled | 2.6%      | 2.6%     |
| 2                          | RDU            | N 35° 52' 21.08"<br>W 78° 47' 0.03"<br>04 W  | H     | Database | NO       | 1.005                             | Enabled | 16.5%     | 16.5%    |
| 3                          | GSO            | N 36° 2' 44.49"<br>W 79° 58' 34.95"<br>03 W  | H     | Database | NO       | 0.384                             | Enabled | 8.7%      | 8.7%     |
| 4                          | FLO            | N 34° 13' 58.69"<br>W 79° 39' 25.78"<br>03 W | H     | Database | NO       | 0.403                             | Enabled | 31.4%     | 31.4%    |
| 5                          | SPA            | N 35° 2' 1.05"<br>W 81° 55' 37.24"<br>02 W   | H     | Database | NO       | 0.368                             | Enabled | 15.4%     | 15.4%    |
| 6                          | GRD            | N 34° 15' 5.64"<br>W 82° 9' 14.94"<br>01 W   | H     | Database | NO       | 0.368                             | Enabled | 7.5%      | 7.5%     |
| 7                          | CAE            | N 33° 51' 26.10"<br>W 81° 3' 14.05"<br>02 W  | H     | Database | NO       | 0.510                             | Enabled | 27.7%     | 27.7%    |
| 8                          | CHS            | N 32° 53' 39.55"<br>W 80° 2' 16.13"<br>05 W  | H     | Database | NO       | 0.377                             | Enabled | 18.3%     | 18.3%    |
| 9                          | IRQ            | N 33° 42' 26.47"<br>W 82° 9' 43.43"<br>04 W  | H     | Database | NO       | 0.398                             | Enabled | 13.2%     | 13.2%    |
| 10                         | AMG            | N 31° 32' 11.60"<br>W 82° 30' 29.12"<br>00 E | H     | Database | NO       | 0.716                             | Enabled | 16.2%     | 16.2%    |
| 11                         | SAV            | N 32° 8' 46.56"<br>W 81° 11' 56.78"<br>06 W  | H     | Database | NO       | 0.417                             | Enabled | 13.6%     | 13.6%    |
| 12                         | MCN            | N 32° 41' 28.27"<br>W 83° 38' 49.86"<br>01 E | H     | Database | NO       | 0.705                             | Enabled | 3.6%      | 3.6%     |
| 13                         | CRG            | N 30° 20' 19.97"<br>W 81° 30' 35.74"<br>03 W | H     | Database | NO       | 0.976                             | Enabled | 13.3%     | 13.3%    |
| 14                         | OTK            | N 30° 46' 49.60"<br>W 83° 16' 47.02"<br>02 W | H     | Database | NO       | 0.379                             | Enabled | 12.0%     | 12.0%    |
|                            | Total Coverage |  |       |          |          |                                   |         | 100.0%    | 100.0%   |
| Flight Check DME Selection |                |  |       |          |          |                                   |         |           |          |
| Distance [NM]              |                | Selected DMEs (Required)                     |       |          |          |                                   |         | Alternate |          |
| 0.0                        |                | PSK  | RDU   | GSO      | FLO      | SPA                               |         |           |          |
| 41.5                       |                | CAE  | RDU   | GSO      | FLO      | SPA                               | GRD     |           |          |
| 66.3                       |                | CAE  | GRD   | GSO      | FLO      | SPA                               |         |           |          |



| DME/DME (Continued)                    |                          |     |     | <a href="#">Return To Summary</a> |     |           |
|--|--------------------------|-----|-----|-----------------------------------|-----|-----------|
| Flight Check DME Selection (Continued) |                          |     |     |                                   |     |           |
| Distance [NM]                          | Selected DMEs (Required) |     |     |                                   |     | Alternate |
| 76.4                                   | IRQ                      | GRD | GSO | FLO                               | SPA | CAE       |
| 89.4                                   | IRQ                      | CAE | GSO | FLO                               | SPA | GRD       |
| 99.5                                   | IRQ                      | CAE | GRD | FLO                               | SPA |           |
| 116.3                                  | IRQ                      | CAE | GRD | FLO                               | CHS | SPA       |
| 126.4                                  | IRQ                      | CAE | SPA | FLO                               | CHS | GRD       |
| 158.1                                  | GRD                      | CAE | SPA | FLO                               | CHS | SAV       |
| 169.5                                  | GRD                      | CAE | SAV | IRQ                               | CHS | FLO       |
| 181.8                                  | GRD                      | CAE | SAV | IRQ                               | CHS | AMG       |
| 205.3                                  | GRD                      | CAE | AMG | IRQ                               | CHS | SAV       |
| 223.8                                  | SAV                      | CAE | AMG | IRQ                               | CHS | MCN       |
| 244.1                                  | SAV                      | MCN | AMG | IRQ                               |     |           |
| 254.3                                  | SAV                      | MCN | AMG | IRQ                               | CRG | OTK       |
| 271.9                                  | SAV                      | OTK | AMG | CRG                               |     |           |

| Available DMEs by Waypoints |                | <a href="#">Return To Summary</a>          |
|-----------------------------|----------------|--|
| Waypoint Before             | Waypoint After | DME List                                   |
| GSO                         | SLOJO          | CAE, FLO, GRD, GSO, IRQ, PSK, RDU, and SPA |
| SLOJO                       | ILBEE          | CAE, FLO, GRD, GSO, IRQ, and SPA           |
| ILBEE                       | FISHO          | CAE, CHS, FLO, GRD, IRQ, SAV, and SPA      |
| FISHO                       | SHRIL          | CAE, CHS, GRD, IRQ, SAV, and AMG*          |
| SHRIL                       | TEEEM          | AMG, CAE, CHS, GRD, IRQ, MCN, and SAV      |
| TEEEM                       | TEUFL          | AMG, CRG, IRQ, MCN, SAV, and OTK*          |
| TEUFL                       | ENEME          | AMG, CRG, OTK, and SAV                     |