

## DME DME Assessment Results for SNOWZ1 path HSTIN\_DABOY

### Results Summary

|                            |                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flyability:                | Completed                                                                                                                                                                                                                                      |
| DME/DME:                   | Completed - No Critical DMEs                                                                                                                                                                                                                   |
| Name:                      | Lisa A-CTR Thrysoe                                                                                                                                                                                                                             |
| Project File:              | C:\Users\LISAA~1\AppData\Local\Temp\KMSP SNOWZ1 SID DME NO RW 17 (email).tgs                                                                                                                                                                   |
| Output File:               | C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 261029\SIDS\KMSP SNOWZ ONE SID 260319\KMSP [IFPA] SNOWZ1 20260608_0959 EDT\HSTIN_DABOY\KMSP SNOWZ1 SID HSTIN DABOY 20260608_0959 EDT.pdf |
| Procedure Name:            | SNOWZ1                                                                                                                                                                                                                                         |
| Software:<br>DmeDmePlugin: | 8.0.0                                                                                                                                                                                                                                          |
| Date/Time:                 | 06/08/2026 09:59 EDT                                                                                                                                                                                                                           |
| Databases:                 | MITRE 3DEP 3 arcsec                                                                                                                                                                                                                            |

### Failures

No Failures

### Warnings

No Warnings

### Informational

No Informational

### Notes For Flight Check

None

### Flight Plan

| Name  | Type | Lat/Lon                                  | Altitude (ft) | VNAV Mode | Ground Speed (kts) | Turn Type | Leg Type |
|-------|------|------------------------------------------|---------------|-----------|--------------------|-----------|----------|
| HSTIN | WP   | N44° 00' 08.0000",<br>W093° 57' 40.0000" | 9000          | VNAV      | 200                | FLY_BY    | TF       |
| YUPER | WP   | N43° 11' 32.0000",<br>W094° 08' 25.0000" | 10000         | VNAV      | 200                | FLY_BY    | TF       |
| DABOY | WP   | N41° 53' 19.0500",<br>W094° 27' 34.2700" | 11000         | VNAV      | 200                | FLY_BY    | TF       |

### Flyability

|                        |                                    |
|------------------------|------------------------------------|
| Flight Type:           | SID                                |
| Selected Airport:      | KMSP [IFPA]                        |
| Climb Gradient:        | None assigned                      |
| Speeds:                | 130 at the Runway DER              |
|                        | 145 at the end of the VA or VI leg |
|                        | 200 Ground Speed to 11000 FT       |
|                        | 240 Ground Speed to 18000 FT       |
|                        | 260 Ground Speed to 24000 FT       |
|                        | 340 Ground Speed above 24000 FT    |
| Descent During a Turn: | Allowed                            |
| VNAV Mode:             | Flight Plan                        |

## DME DME Assessment Results for SNOWZ1 path HSTIN\_DABOY

| DME/DME                           |                             |
|-----------------------------------|-----------------------------|
| RNP:                              | RNP 2                       |
| Flight Mode:                      | Manual                      |
| Line of Sight (DTED Level 0 Max): | Evaluated                   |
| Inertial Drift:                   | Enabled                     |
| Initial Drift:                    | 0.558 NM                    |
| INS Drift Rate:                   | 8.0 NM/Hour                 |
| Range Mode:                       | OSV                         |
| RNP Edges:                        | Evaluated                   |
| Min DME Range:                    | 3.0 NM                      |
| DME Types:                        | DME, VOR-DME, VORTAC, TACAN |
| DME Include Angles:               | 30 to 150                   |
| Critical DMEs:                    | Allowed                     |
| DoD Facilities:                   | Not included                |
| Foreign Facilities:               | Not included                |
| High DMEs:                        | Included                    |
| Low DMEs:                         | Included                    |
| Terminal DMEs:                    | Included                    |
| Flight Check DMEs:                | Not selected                |
| Higher Altitudes:                 | Not Evaluated               |
| Near Maximum Altitude:            | Not Evaluated               |
| Automatic ESVs:                   | Enabled                     |
| Disabled DMEs:                    | None                        |

| DME/DME (Continued) |      |                                          |        |       |      |        |          |         |        |          |
|---------------------|------|------------------------------------------|--------|-------|------|--------|----------|---------|--------|----------|
| DMEs Used           |      |                                          |        |       |      |        |          |         |        |          |
| #                   | Name | Lat/Lon                                  | MAGVAR | Range | Type | Source | Critical | Status  | Time   | Distance |
| 1                   | RWF  | N44° 28' 02.1854",<br>W095° 07' 41.6276" | 7.0 E  | 130   | DH   |        | NO       | Enabled | 55.8 % | 55.8 %   |
| 2                   | MCW  | N43° 05' 41.1255",<br>W093° 19' 47.5405" | 6.0 E  | 130   | H    |        | NO       | Enabled | 32.6 % | 32.6 %   |
| 3                   | FNX  | N43° 38' 15.9267",<br>W094° 24' 47.5134" | 0.0 E  | 130   | DH   |        | NO       | Enabled | 95 %   | 95 %     |
| 4                   | RST  | N43° 46' 58.4501",<br>W092° 35' 49.0560" | 5.0 E  | 130   | DH   |        | NO       | Enabled | 68.8 % | 68.8 %   |
| 5                   | MKT  | N44° 13' 11.6641",<br>W093° 54' 44.4827" | 0.0 E  | 40    | L    |        | NO       | Enabled | 20.6 % | 20.6 %   |
| 6                   | FOD  | N42° 36' 40.0499",<br>W094° 17' 41.3381" | 7.0 E  | 130   | H    |        | NO       | Enabled | 28.6 % | 28.6 %   |
| 7                   | MSP  | N44° 53' 47.3958",<br>W093° 14' 11.5137" | 2.0 E  | 130   | DH   |        | NO       | Enabled | 36 %   | 36 %     |
| 8                   | SPW  | N43° 09' 43.8365",<br>W095° 12' 03.5706" | 5.0 E  | 40    | L    |        | NO       | Enabled | 34.7 % | 34.7 %   |

| Flight Check DME Selection |               |     |     |     |     |           |
|----------------------------|---------------|-----|-----|-----|-----|-----------|
| Distance [NM]              | Selected DMEs |     |     |     |     | Alternate |
| 0.0                        | RWF           | MSP | RST | MKT | FNX |           |
| 26.6                       | FNX           | MSP | RWF | RST |     |           |
| 45.1                       | FNX           | RST | RWF | FOD | MSP |           |
| 46.4                       | FNX           | RST | RWF | FOD |     |           |
| 47.5                       | MCW           | FOD | FNX | RST | RWF |           |
| 50.4                       | FNX           | RST | RWF | FOD |     |           |
| 52.3                       | SPW           | FOD | FNX | RST | RWF |           |
| 71.8                       | SPW           | FOD | FNX | RST |     |           |
| 79.5                       | SPW           | RST | FNX |     |     |           |
| 83.1                       | MCW           | SPW | FNX | RST |     |           |
| 88.6                       | MCW           | SPW | FNX |     |     |           |
| 94.5                       | MCW           | SPW | FNX | FOD |     |           |
| 97.0                       | MCW           | FNX |     |     |     |           |
| 122.3                      |               |     |     |     |     |           |

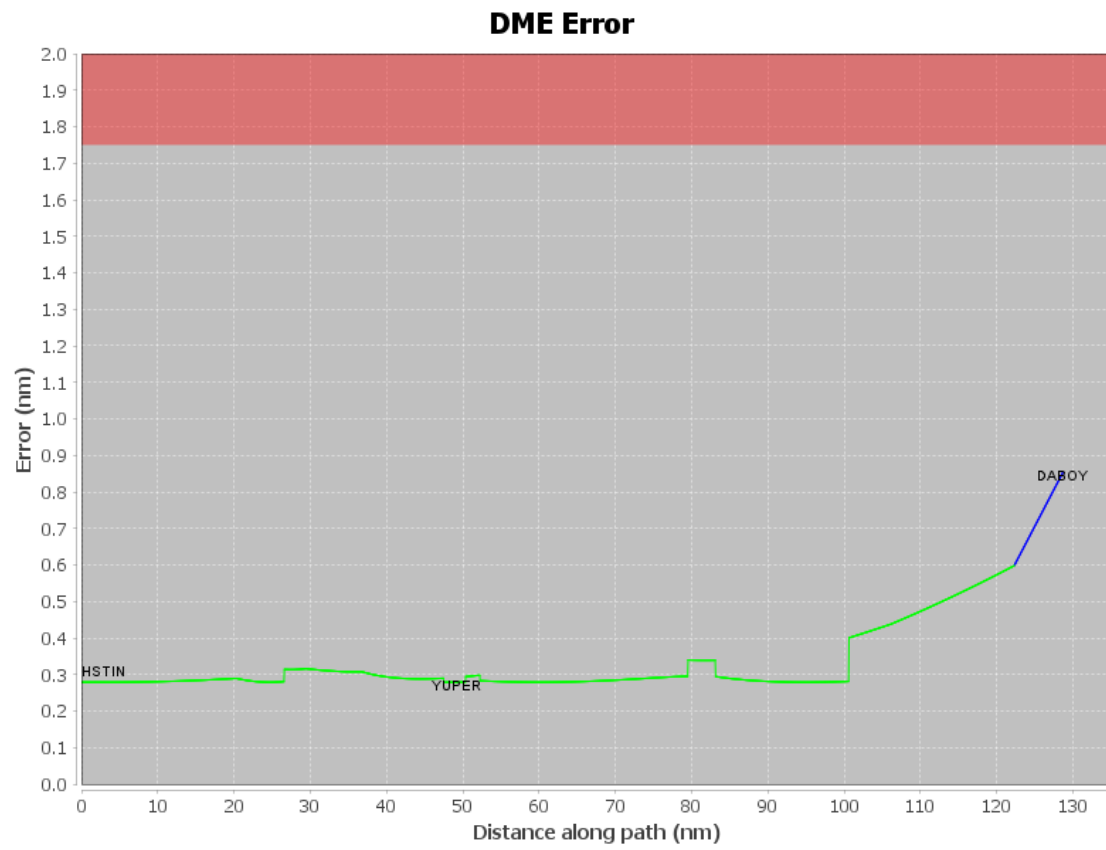
## DME DME Assessment Results for SNOWZ1 path HSTIN\_DABOY

| Inertial Drift Segments |                                       |                                       |             |
|-------------------------|---------------------------------------|---------------------------------------|-------------|
| #                       | Start Location                        | End Location                          | Length [NM] |
| 1                       | N41° 59' 33.0671", W094° 26' 04.4458" | N41° 53' 19.0500", W094° 27' 34.2700" | 6.3303      |

| Available DMEs by Waypoints |                |                                   |                |
|-----------------------------|----------------|-----------------------------------|----------------|
| Waypoint Before             | Waypoint After | DME List                          | Suggested DMEs |
| HSTIN                       | YUPER          | RWF, MCW, FNX, RST, MKT, FOD, MSP |                |
| YUPER                       | DABOY          | MCW, RWF, FNX, RST, FOD, SPW      |                |

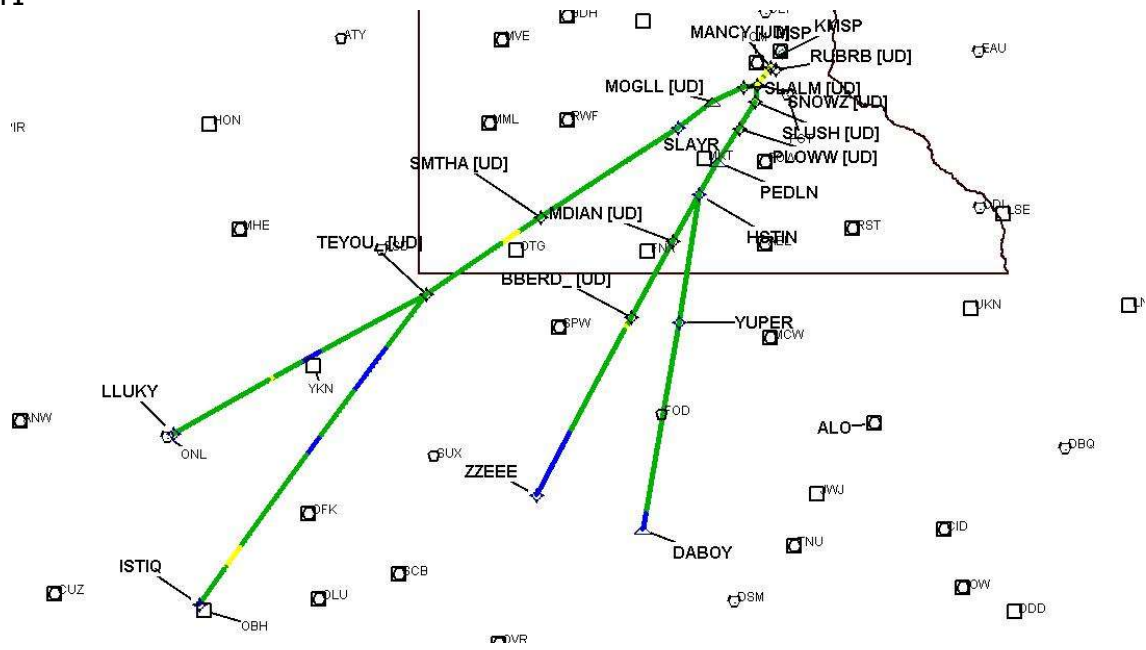
| User Data Files |                         |                                                                     |        |       |                |                                                                 |                  |        |
|-----------------|-------------------------|---------------------------------------------------------------------|--------|-------|----------------|-----------------------------------------------------------------|------------------|--------|
| #               | File Name               |                                                                     |        |       |                |                                                                 |                  |        |
| 1               | New Analysis.udt        |                                                                     |        |       |                |                                                                 |                  |        |
| User DMEs       |                         |                                                                     |        |       |                |                                                                 |                  |        |
| #               | Name                    | Lat/Lon                                                             | MAGVAR | Range | Elevation [ft] | Frequency                                                       | Replaces         | Status |
| 1               | ONL [IFPA]<br>ONL       | N42° 28' 13.7957",<br>W098° 41' 12.9386"                            | 10.0 E | 130   | 2027.5         | 113.9                                                           | ONL [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 77.0° to 92.0°<br>Bearing [Mag]: 67.0° to 82.0°     |        |       |                | Arc Distance: Out to 74.0 NM<br>Altitude: 10200.0 to 16600.0 ft |                  |        |
| 2               | YKN [IFPA]<br>YKN       | N42° 55' 06.1491",<br>W097° 23' 05.9177"                            | 0.0 E  | 40    | 1300.7         | 111.4                                                           | YKN [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 194.0° to 208.0°<br>Bearing [Mag]: 194.0° to 208.0° |        |       |                | Arc Distance: Out to 85.0 NM<br>Altitude: 10500.0 to 19400.0 ft |                  |        |
| 3               | DWN<br>DWN              | N45° 05' 14.8650",<br>W094° 27' 13.8590"                            | 0.0 E  | 40    | 1130           | null                                                            | DWN              |        |
| ESV:            |                         | Bearing [True]: 107.0° to 112.0°<br>Bearing [Mag]: 107.0° to 112.0° |        |       |                | Arc Distance: Out to 55.0 NM<br>Altitude: 3900.0 to 19200.0 ft  |                  |        |
| 4               | LNK [IFPA]<br>LNK       | N40° 55' 25.6565",<br>W096° 44' 31.2342"                            | 9.0 E  | 130   | 1369.9         | 116.1                                                           | LNK [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 304.0° to 328.0°<br>Bearing [Mag]: 295.0° to 319.0° |        |       |                | Arc Distance: Out to 86.0 NM<br>Altitude: 10500.0 to 15900.0 ft |                  |        |
| 5               | MCW [IFPA]<br>MCW       | N43° 05' 41.1255",<br>W093° 19' 47.5405"                            | 6.0 E  | 130   | 1208.6         | 114.9                                                           | MCW [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 214.0° to 240.0°<br>Bearing [Mag]: 208.0° to 234.0° |        |       |                | Arc Distance: Out to 84.0 NM<br>Altitude: 8300.0 to 15800.0 ft  |                  |        |
| 6               | SPW FAA 212013-3<br>SPW | N43° 09' 43.8365",<br>W095° 12' 03.5706"                            | 5.0 E  | 40    | 1335.1         | 115.15                                                          | SPW FAA 212013-3 |        |
| ESV:            |                         | Bearing [True]: 74.0° to 142.0°<br>Bearing [Mag]: 69.0° to 137.0°   |        |       |                | Arc Distance: Out to 63.0 NM<br>Altitude: 10000.0 to 19000.0 ft |                  |        |

## DME DME Assessment Results for SNOWZ1 path HSTIN\_DABOY

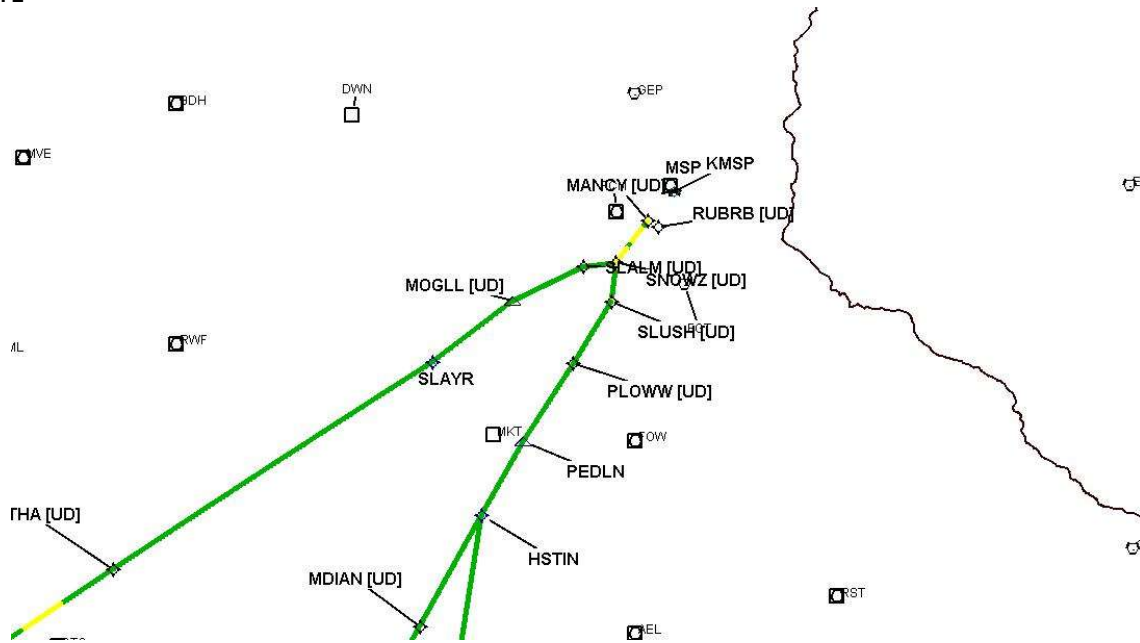


Graphic Depiction 1

## DME DME Assessment Results for SNOWZ1 path HSTIN\_DABOY

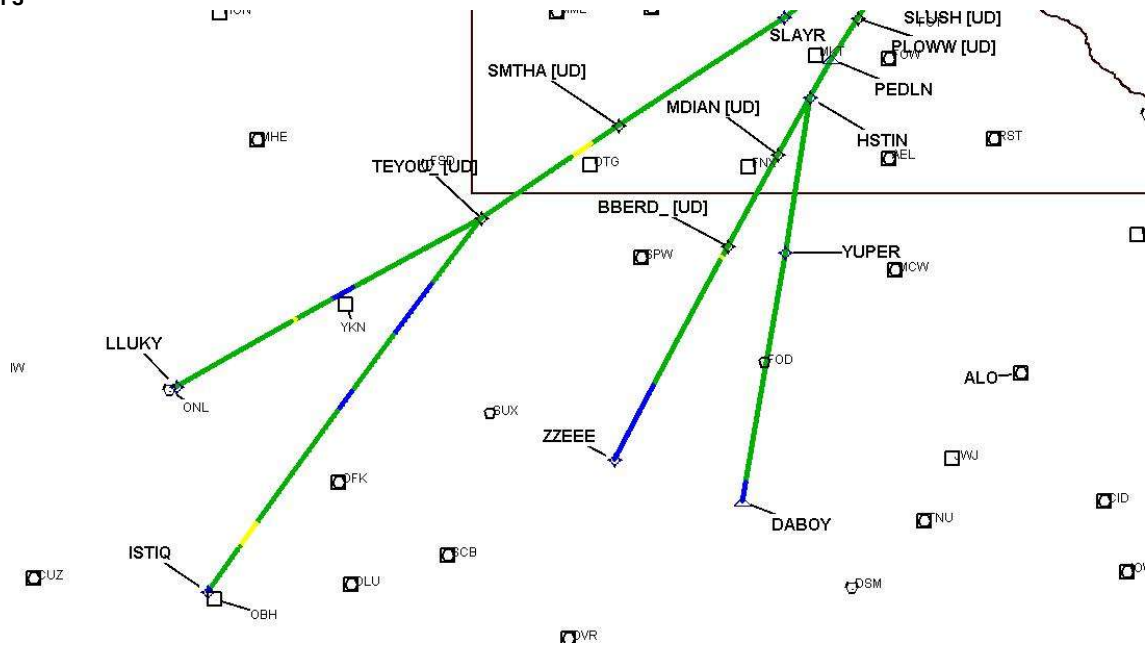


### Graphic Depiction 2



Graphic Depiction 3

### DME DME Assessment Results for SNOWZ1 path HSTIN\_DABOY



## DME DME Assessment Results for SNOWZ1 path MANCY\_ZZEEE

### Results Summary

|                            |                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flyability:                | Completed                                                                                                                                                                                                                                      |
| DME/DME:                   | Completed - No Critical DMEs                                                                                                                                                                                                                   |
| Name:                      | Lisa A-CTR Thrysoe                                                                                                                                                                                                                             |
| Project File:              | C:\Users\LISAA~1\AppData\Local\Temp\KMSP SNOWZ1 SID DME NO RW 17 (email).tgs                                                                                                                                                                   |
| Output File:               | C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 261029\SIDS\KMSP SNOWZ ONE SID 260319\KMSP [IFPA] SNOWZ1 20260608_0959 EDT\MANCY_ZZEEE\KMSP SNOWZ1 SID MANCY ZZEEE 20260608_0959 EDT.pdf |
| Procedure Name:            | SNOWZ1                                                                                                                                                                                                                                         |
| Software:<br>DmeDmePlugin: | 8.0.0                                                                                                                                                                                                                                          |
| Date/Time:                 | 06/08/2026 09:59 EDT                                                                                                                                                                                                                           |
| Databases:                 | MITRE 3DEP 3 arcsec                                                                                                                                                                                                                            |

### Failures

No Failures

### Warnings

No Warnings

### Informational

No Informational

### Notes For Flight Check

None

### Flight Plan

| Name   | Type | Lat/Lon                                  | Altitude (ft) | VNAV Mode | Ground Speed (kts) | Turn Type | Leg Type |
|--------|------|------------------------------------------|---------------|-----------|--------------------|-----------|----------|
| MANCY  | WP   | N44° 48' 03.1334",<br>W093° 19' 29.6932" | 4000          | VNAV      | 200                | FLY_BY    | TF       |
| SNOWZ  | WP   | N44° 41' 17.6201",<br>W093° 26' 42.1853" | 4000          | VNAV      | 200                | FLY_BY    | TF       |
| SLUSH  | WP   | N44° 34' 56.1900",<br>W093° 27' 48.2900" | 5000          | VNAV      | 200                | FLY_BY    | TF       |
| PLOWW  | WP   | N44° 24' 52.1400",<br>W093° 36' 27.9900" | 7000          | VNAV      | 200                | FLY_BY    | TF       |
| PEDLN  | WP   | N44° 12' 09.5800",<br>W093° 48' 01.4000" | 7000          | VNAV      | 200                | FLY_BY    | TF       |
| HSTIN  | WP   | N44° 00' 08.0000",<br>W093° 57' 40.0000" | 9000          | VNAV      | 200                | FLY_BY    | TF       |
| MDIAN  | WP   | N43° 42' 06.2412",<br>W094° 11' 48.2095" | 9000          | VNAV      | 200                | FLY_BY    | TF       |
| BBERD_ | WP   | N43° 13' 26.0688",<br>W094° 33' 56.8807" | 9000          | VNAV      | 200                | FLY_BY    | TF       |
| ZZEEE  | WP   | N42° 06' 21.0000",<br>W095° 24' 14.0000" | 9000          | VNAV      | 200                | FLY_BY    | TF       |

### Flyability

|                        |                                    |
|------------------------|------------------------------------|
| Flight Type:           | SID                                |
| Selected Airport:      | KMSP [IFPA]                        |
| Climb Gradient:        | None assigned                      |
| Speeds:                | 130 at the Runway DER              |
|                        | 145 at the end of the VA or VI leg |
|                        | 200 Ground Speed to 11000 FT       |
|                        | 240 Ground Speed to 18000 FT       |
|                        | 260 Ground Speed to 24000 FT       |
|                        | 340 Ground Speed above 24000 FT    |
| Descent During a Turn: | Allowed                            |
| VNAV Mode:             | Flight Plan                        |

## DME DME Assessment Results for SNOWZ1 path MANCY\_ZZEEE

| DME/DME                           |                             |
|-----------------------------------|-----------------------------|
| RNP:                              | RNP 2                       |
| Flight Mode:                      | Manual                      |
| Line of Sight (DTED Level 0 Max): | Evaluated                   |
| Inertial Drift:                   | Enabled                     |
| Initial Drift:                    | 0.558 NM                    |
| INS Drift Rate:                   | 8.0 NM/Hour                 |
| Range Mode:                       | OSV                         |
| RNP Edges:                        | Evaluated                   |
| Min DME Range:                    | 3.0 NM                      |
| DME Types:                        | DME, VOR-DME, VORTAC, TACAN |
| DME Include Angles:               | 30 to 150                   |
| Critical DMEs:                    | Allowed                     |
| DoD Facilities:                   | Not included                |
| Foreign Facilities:               | Not included                |
| High DMEs:                        | Included                    |
| Low DMEs:                         | Included                    |
| Terminal DMEs:                    | Included                    |
| Flight Check DMEs:                | Not selected                |
| Higher Altitudes:                 | Not Evaluated               |
| Near Maximum Altitude:            | Not Evaluated               |
| Automatic ESVs:                   | Enabled                     |
| Disabled DMEs:                    | None                        |

| DME/DME (Continued) |      |                                          |        |       |      |        |          |         |        |          |
|---------------------|------|------------------------------------------|--------|-------|------|--------|----------|---------|--------|----------|
| DMEs Used           |      |                                          |        |       |      |        |          |         |        |          |
| #                   | Name | Lat/Lon                                  | MAGVAR | Range | Type | Source | Critical | Status  | Time   | Distance |
| 1                   | RWF  | N44° 28' 02.1854",<br>W095° 07' 41.6276" | 7.0 E  | 130   | DH   |        | NO       | Enabled | 62.4 % | 62.3 %   |
| 2                   | FCM  | N44° 49' 31.2603",<br>W093° 26' 33.6793" | 1.0 E  | 40    | L    |        | NO       | Enabled | 21.3 % | 21.3 %   |
| 3                   | FNX  | N43° 38' 15.9267",<br>W094° 24' 47.5134" | 0.0 E  | 130   | DH   |        | NO       | Enabled | 74.5 % | 74.5 %   |
| 4                   | FGT  | N44° 37' 51.4303",<br>W093° 10' 55.3911" | 6.0 E  | 130   | H    |        | NO       | Enabled | 23.5 % | 23.5 %   |
| 5                   | RST  | N43° 46' 58.4501",<br>W092° 35' 49.0560" | 5.0 E  | 130   | DH   |        | NO       | Enabled | 53.6 % | 53.6 %   |
| 6                   | GEP  | N45° 08' 44.4656",<br>W093° 22' 23.4514" | 6.0 E  | 130   | H    |        | NO       | Enabled | 10.5 % | 10.5 %   |
| 7                   | MKT  | N44° 13' 11.6641",<br>W093° 54' 44.4827" | 0.0 E  | 40    | L    |        | NO       | Enabled | 23.6 % | 23.6 %   |
| 8                   | DWN  | N45° 05' 14.8650",<br>W094° 27' 13.8590" | 0.0 E  | 40    | L    |        | NO       | Enabled | 0.4 %  | 0.4 %    |
| 9                   | FOD  | N42° 36' 40.0499",<br>W094° 17' 41.3381" | 7.0 E  | 130   | H    |        | NO       | Enabled | 22.2 % | 22.2 %   |
| 10                  | MSP  | N44° 53' 47.3958",<br>W093° 14' 11.5137" | 2.0 E  | 130   | DH   |        | NO       | Enabled | 51.1 % | 51 %     |
| 11                  | SPW  | N43° 09' 43.8365",<br>W095° 12' 03.5706" | 5.0 E  | 40    | L    |        | NO       | Enabled | 32.2 % | 32.2 %   |
| 12                  | FOW  | N44° 12' 16.0000",<br>W093° 22' 13.8000" | 2.0 E  | 25    | T    |        | NO       | Enabled | 17.1 % | 17.1 %   |

# DME DME Assessment Results for SNOWZ1 path MANCY\_ZZEEE

| Flight Check DME Selection |               |     |     |     |     |           |
|----------------------------|---------------|-----|-----|-----|-----|-----------|
| Distance [NM]              | Selected DMEs |     |     |     |     | Alternate |
| 0.0                        | FCM           | MSP | GEP | FGT |     |           |
| 0.6                        | DWN           | MSP | FGT | GEP |     |           |
| 1.5                        | FCM           | MSP | FGT | GEP |     |           |
| 14.3                       | FOW           | FGT | FCM | GEP | RST | MSP       |
| 15.0                       | FCM           | FGT | GEP | MSP |     |           |
| 15.2                       | FCM           | FGT | GEP | RST | MSP |           |
| 19.6                       | FOW           | FGT | FNX | RST | RWF | FCM       |
| 40.6                       | RST           | MSP | FNX | RWF | FGT | FOW       |
| 43.8                       | RST           | MSP | RWF | FNX | FOW |           |
| 47.6                       | RWF           | MSP | RST | FNX | MKT |           |
| 82.5                       | RWF           | RST | FNX | MSP |     |           |
| 82.6                       | RWF           | RST | MSP |     |     |           |
| 86.4                       | RWF           | RST | FNX | MSP |     |           |
| 95.0                       | FNX           | RST | RWF |     |     |           |
| 96.1                       | SPW           | RWF | FNX | RST |     |           |
| 112.2                      | FOD           | SPW | FNX | RWF | RST |           |
| 114.5                      | FNX           | SPW | FOD | RWF |     |           |
| 134.5                      | FNX           | FOD | SPW |     |     |           |
| 140.2                      | FNX           | SPW |     |     |     |           |
| 145.8                      | FNX           | FOD | SPW |     |     |           |
| 156.1                      | FNX           | FOD |     |     |     |           |
| 159.3                      |               |     |     |     |     |           |

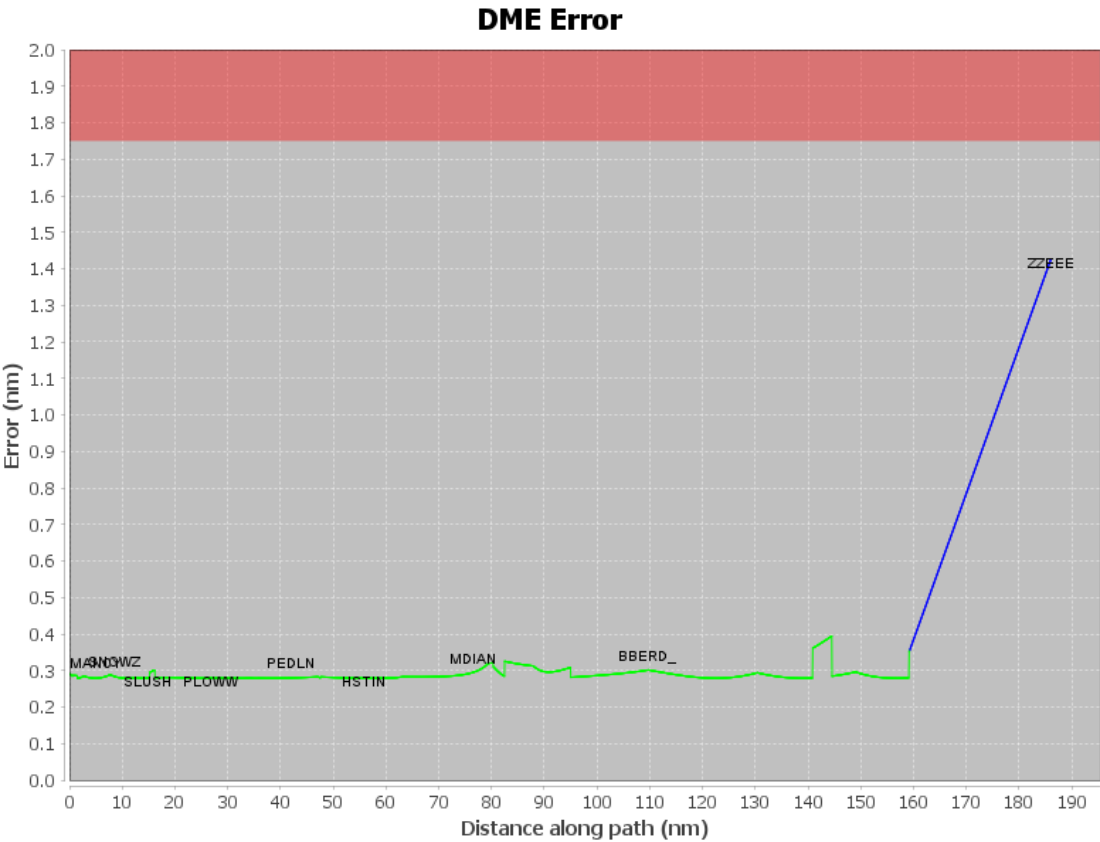
| Inertial Drift Segments |                                       |                                       |             |
|-------------------------|---------------------------------------|---------------------------------------|-------------|
| #                       | Start Location                        | End Location                          | Length [NM] |
| 1                       | N42° 29' 49.4459", W095° 06' 52.4406" | N42° 06' 21.0000", W095° 24' 14.0000" | 26.7688     |

| Available DMEs by Waypoints |                |                                        |                |
|-----------------------------|----------------|----------------------------------------|----------------|
| Waypoint Before             | Waypoint After | DME List                               | Suggested DMEs |
| MANCY                       | SNOWZ          | FCM, FGT, GEP, DWN, MSP                |                |
| SNOWZ                       | SLUSH          | FCM, FGT, RST, GEP, MSP, FOW           |                |
| SLUSH                       | PLOWW          | RWF, FCM, FNX, FGT, RST, GEP, MSP, FOW |                |
| PLOWW                       | PEDLN          | RWF, FNX, FCM, RST, FGT, MKT, MSP, FOW |                |
| PEDLN                       | HSTIN          | RWF, FNX, RST, FGT, MKT, MSP, FOW      |                |
| HSTIN                       | MDIAN          | RWF, FNX, RST, MKT, MSP                |                |
| MDIAN                       | BBERD_         | RWF, FNX, RST, MKT, MSP, SPW           |                |
| BBERD_                      | ZZEEE          | RWF, FNX, RST, FOD, SPW                |                |

# DME DME Assessment Results for SNOWZ1 path MANCY\_ZZEEE

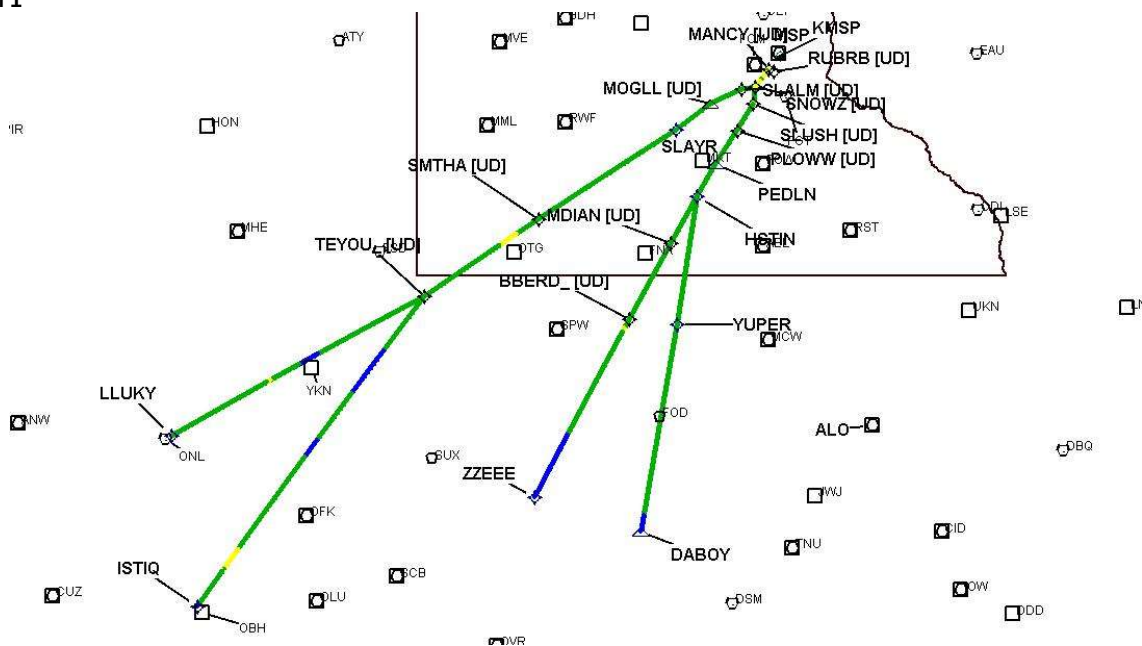
| User Data Files |                         |                                                                     |        |       |                |                                                                 |                  |        |
|-----------------|-------------------------|---------------------------------------------------------------------|--------|-------|----------------|-----------------------------------------------------------------|------------------|--------|
| #               | File Name               |                                                                     |        |       |                |                                                                 |                  |        |
| 1               | New Analysis.udt        |                                                                     |        |       |                |                                                                 |                  |        |
| User DMEs       |                         |                                                                     |        |       |                |                                                                 |                  |        |
| #               | Name                    | Lat/Lon                                                             | MAGVAR | Range | Elevation [ft] | Frequency                                                       | Replaces         | Status |
| 1               | ONL [IFPA]<br>ONL       | N42° 28' 13.7957",<br>W098° 41' 12.9386"                            | 10.0 E | 130   | 2027.5         | 113.9                                                           | ONL [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 77.0° to 92.0°<br>Bearing [Mag]: 67.0° to 82.0°     |        |       |                | Arc Distance: Out to 74.0 NM<br>Altitude: 10200.0 to 16600.0 ft |                  |        |
| 2               | YKN [IFPA]<br>YKN       | N42° 55' 06.1491",<br>W097° 23' 05.9177"                            | 0.0 E  | 40    | 1300.7         | 111.4                                                           | YKN [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 194.0° to 208.0°<br>Bearing [Mag]: 194.0° to 208.0° |        |       |                | Arc Distance: Out to 85.0 NM<br>Altitude: 10500.0 to 19400.0 ft |                  |        |
| 3               | DWN<br>DWN              | N45° 05' 14.8650",<br>W094° 27' 13.8590"                            | 0.0 E  | 40    | 1130           | null                                                            | DWN              |        |
| ESV:            |                         | Bearing [True]: 107.0° to 112.0°<br>Bearing [Mag]: 107.0° to 112.0° |        |       |                | Arc Distance: Out to 55.0 NM<br>Altitude: 3900.0 to 19200.0 ft  |                  |        |
| 4               | LNK [IFPA]<br>LNK       | N40° 55' 25.6565",<br>W096° 44' 31.2342"                            | 9.0 E  | 130   | 1369.9         | 116.1                                                           | LNK [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 304.0° to 328.0°<br>Bearing [Mag]: 295.0° to 319.0° |        |       |                | Arc Distance: Out to 86.0 NM<br>Altitude: 10500.0 to 15900.0 ft |                  |        |
| 5               | MCW [IFPA]<br>MCW       | N43° 05' 41.1255",<br>W093° 19' 47.5405"                            | 6.0 E  | 130   | 1208.6         | 114.9                                                           | MCW [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 214.0° to 240.0°<br>Bearing [Mag]: 208.0° to 234.0° |        |       |                | Arc Distance: Out to 84.0 NM<br>Altitude: 8300.0 to 15800.0 ft  |                  |        |
| 6               | SPW FAA 212013-3<br>SPW | N43° 09' 43.8365",<br>W095° 12' 03.5706"                            | 5.0 E  | 40    | 1335.1         | 115.15                                                          | SPW FAA 212013-3 |        |
| ESV:            |                         | Bearing [True]: 74.0° to 142.0°<br>Bearing [Mag]: 69.0° to 137.0°   |        |       |                | Arc Distance: Out to 63.0 NM<br>Altitude: 10000.0 to 19000.0 ft |                  |        |

DME DME Assessment Results for SNOWZ1 path MANCY\_ZZEEE

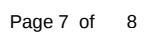


DME DME Assessment Results for SNOWZ1 path MANCY\_ZZEEE

Graphic Depiction 1

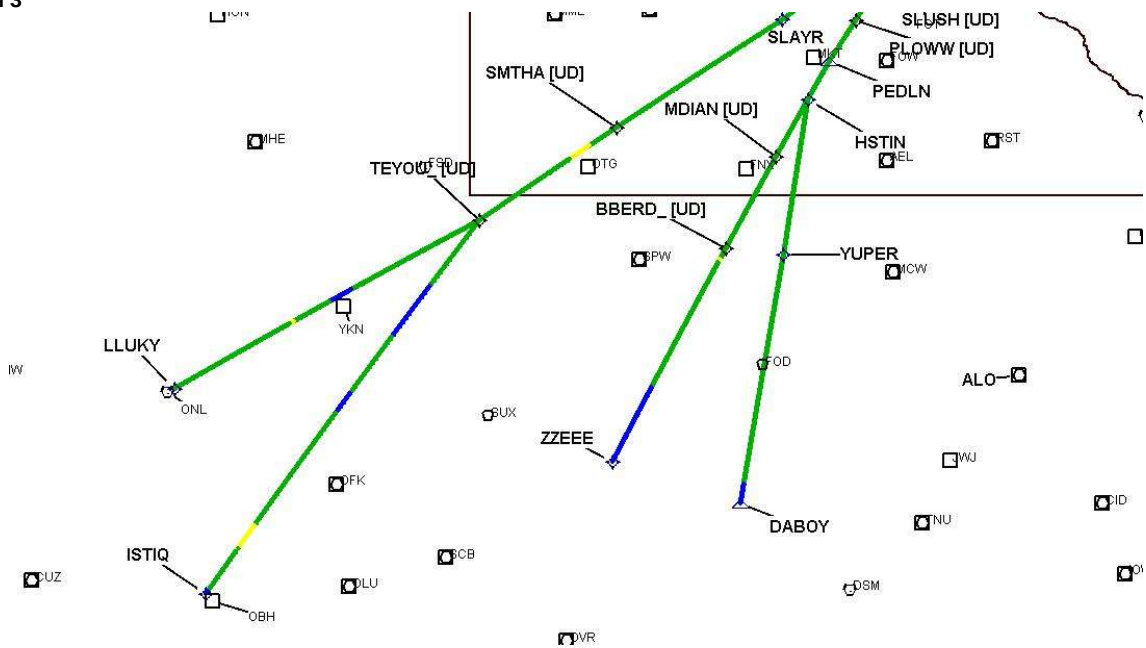


### Graphic Depiction 2



DME DME Assessment Results for SNOWZ1 path MANCY\_ZZEEE

Graphic Depiction 3



## DME DME Assessment Results for SNOWZ1 path KMSP:RW17:DER\_RUBRB

### Results Summary

|                            |                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flyability:                | Completed                                                                                                                                                                                                                                             |
| DME/DME:                   | Completed - No Critical DMEs                                                                                                                                                                                                                          |
| Name:                      | Lisa A-CTR Thrysoe                                                                                                                                                                                                                                    |
| Project File:              | C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 261029\SIDS\KMSP SNOWZ ONE SID 260319\KMSP SNOWZ1 SID DME RWY 17(email).tgs                                                                     |
| Output File:               | C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 261029\SIDS\KMSP SNOWZ ONE SID 260319\KMSP [IFPA] SNOWZ1 20260608_1027 EDT\KMSP-RW17-DER_RUBRB\KMSP SNOWZ1 SID RW17 RUBRB 20260608_1027 EDT.pdf |
| Procedure Name:            | SNOWZ1                                                                                                                                                                                                                                                |
| Software:<br>DmeDmePlugin: | 8.0.0                                                                                                                                                                                                                                                 |
| Date/Time:                 | 06/08/2026 10:27 EDT                                                                                                                                                                                                                                  |
| Databases:                 | MITRE 3DEP 3 arcsec                                                                                                                                                                                                                                   |

### Failures

No Failures

### Warnings

No Warnings

### Informational

No Informational

### Notes For Flight Check

None

### Flight Plan

| Name            | Type | Lat/Lon                                  | Altitude (ft) | VNAV Mode | Ground Speed (kts) | Turn Type | Leg Type |
|-----------------|------|------------------------------------------|---------------|-----------|--------------------|-----------|----------|
| KMSP:RW17:DER   | WP   | N44° 51' 58.2366",<br>W093° 14' 11.9205" | 833.3         | VNAV      | 130                | FLY_BY    | TF       |
| RUBRB           | WP   | N44° 47' 05.0708",<br>W093° 17' 00.8037" | 3500          | VNAV      | 200                | FLY_BY    | TF       |
| Climb Gradient: |      |                                          |               |           |                    |           |          |

### Flyability

|                        |                                    |
|------------------------|------------------------------------|
| Flight Type:           | SID                                |
| Selected Airport:      | KMSP [IFPA]                        |
| Climb Gradient:        | None assigned                      |
| Speeds:                | 130 at the Runway DER              |
|                        | 145 at the end of the VA or VI leg |
|                        | 200 Ground Speed to 11000 FT       |
|                        | 240 Ground Speed to 18000 FT       |
|                        | 260 Ground Speed to 24000 FT       |
|                        | 340 Ground Speed above 24000 FT    |
| Descent During a Turn: | Allowed                            |
| VNAV Mode:             | Flight Plan                        |

# DME DME Assessment Results for SNOWZ1 path KMSP:RW17:DER\_RUBRB

| DME/DME                           |                             |
|-----------------------------------|-----------------------------|
| RNP:                              | RNP 2                       |
| Flight Mode:                      | Manual                      |
| Line of Sight (DTED Level 0 Max): | Evaluated                   |
| Inertial Drift:                   | Enabled                     |
| Initial Drift:                    | 0.558 NM                    |
| INS Drift Rate:                   | 8.0 NM/Hour                 |
| Range Mode:                       | OSV                         |
| RNP Edges:                        | Evaluated                   |
| Min DME Range:                    | 3.0 NM                      |
| DME Types:                        | DME, VOR-DME, VORTAC, TACAN |
| DME Include Angles:               | 30 to 150                   |
| Critical DMEs:                    | Allowed                     |
| DoD Facilities:                   | Not included                |
| Foreign Facilities:               | Not included                |
| High DMEs:                        | Included                    |
| Low DMEs:                         | Included                    |
| Terminal DMEs:                    | Included                    |
| Flight Check DMEs:                | Not selected                |
| Higher Altitudes:                 | Not Evaluated               |
| Near Maximum Altitude:            | Not Evaluated               |
| Automatic ESVs:                   | Not enabled                 |
| Disabled DMEs:                    | None                        |

| DME/DME (Continued) |      |                                          |        |       |      |        |          |         |        |          |
|---------------------|------|------------------------------------------|--------|-------|------|--------|----------|---------|--------|----------|
| DMEs Used           |      |                                          |        |       |      |        |          |         |        |          |
| #                   | Name | Lat/Lon                                  | MAGVAR | Range | Type | Source | Critical | Status  | Time   | Distance |
| 1                   | FNX  | N43° 38' 15.9267",<br>W094° 24' 47.5134" | 0.0 E  | 130   | DH   |        | NO       | Enabled | 7 %    | 6.2 %    |
| 2                   | FCM  | N44° 49' 31.2603",<br>W093° 26' 33.6793" | 1.0 E  | 40    | L    |        | NO       | Enabled | 80.6 % | 83.2 %   |
| 3                   | RST  | N43° 46' 58.4501",<br>W092° 35' 49.0560" | 5.0 E  | 130   | DH   |        | NO       | Enabled | 45.3 % | 40.2 %   |
| 4                   | FGT  | N44° 37' 51.4303",<br>W093° 10' 55.3911" | 6.0 E  | 130   | H    |        | NO       | Enabled | 52.6 % | 57.7 %   |
| 5                   | GEP  | N45° 08' 44.4656",<br>W093° 22' 23.4514" | 6.0 E  | 130   | H    |        | NO       | Enabled | 76.3 % | 79.5 %   |
| 6                   | ANW  | N42° 34' 08.8100",<br>W099° 59' 22.7800" | 9.0 E  | 130   | DH   |        | NO       | Enabled | 79.6 % | 75 %     |
| 7                   | MSP  | N44° 53' 47.3958",<br>W093° 14' 11.5137" | 2.0 E  | 130   | DH   |        | NO       | Enabled | 24.1 % | 24.6 %   |

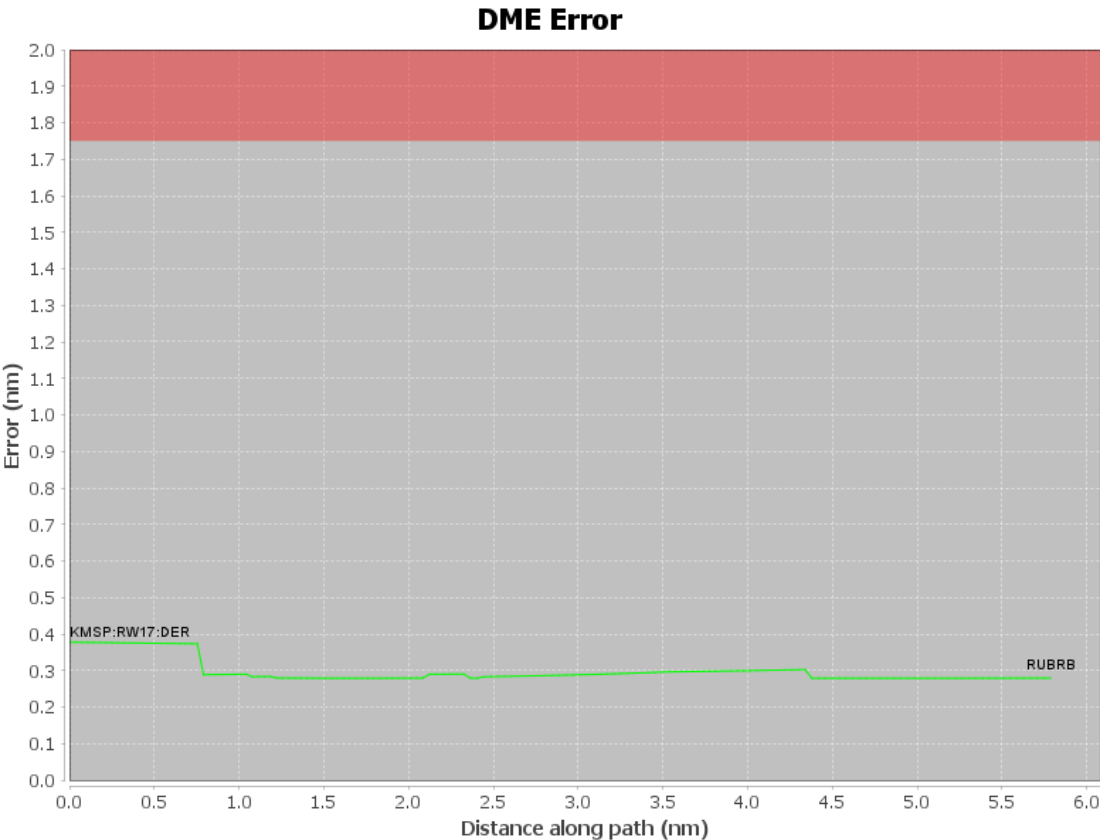
| Flight Check DME Selection |               |     |     |     |     |           |
|----------------------------|---------------|-----|-----|-----|-----|-----------|
| Distance [NM]              | Selected DMEs |     |     |     |     | Alternate |
| 0.0                        | RST           | ANW |     |     |     |           |
| 0.5                        | FNX           | RST | ANW |     |     |           |
| 0.7                        | RST           | ANW |     |     |     |           |
| 0.8                        | FNX           | RST | ANW |     |     |           |
| 1.0                        | FCM           | RST | ANW |     |     |           |
| 1.2                        | FCM           | GEP | RST | ANW |     |           |
| 1.2                        | FCM           | MSP | GEP | RST | ANW |           |
| 2.1                        | FCM           | GEP | RST | ANW |     |           |
| 2.4                        | FCM           | GEP | ANW |     |     |           |
| 2.4                        | FCM           | FGT | GEP | ANW |     |           |
| 4.4                        | FCM           | GEP | FGT |     |     |           |
| 5.2                        | FCM           | MSP | GEP | FGT |     |           |

| Inertial Drift Segments |                |              |             |
|-------------------------|----------------|--------------|-------------|
| #                       | Start Location | End Location | Length [NM] |

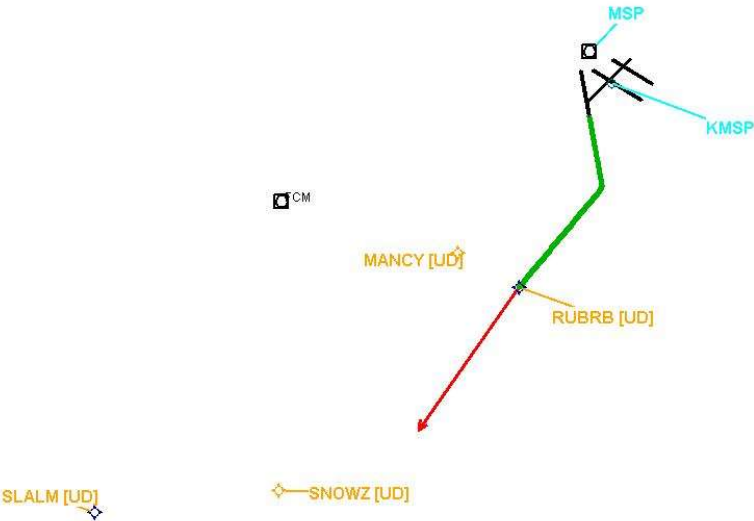
DME DME Assessment Results for SNOWZ1 path KMSP:RW17:DER\_RUBRB

| Available DMEs by Waypoints |                |                                   |                |
|-----------------------------|----------------|-----------------------------------|----------------|
| Waypoint Before             | Waypoint After | DME List                          | Suggested DMEs |
| KMSP:RW17:DER               | RUBRB          | FNX, FCM, RST, FGT, GEP, ANW, MSP |                |

| User Data Files |           |         |        |       |                |           |          |        |
|-----------------|-----------|---------|--------|-------|----------------|-----------|----------|--------|
| #               | File Name |         |        |       |                |           |          |        |
| None            |           |         |        |       |                |           |          |        |
| User DMEs       |           |         |        |       |                |           |          |        |
| #               | Name      | Lat/Lon | MAGVAR | Range | Elevation [ft] | Frequency | Replaces | Status |
| None            |           |         |        |       |                |           |          |        |



Graphic Depiction 1



## DME DME Assessment Results for SNOWZ1 path SNOWZ\_ISTIQ

### Results Summary

|                            |                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flyability:                | Completed                                                                                                                                                                                                                                      |
| DME/DME:                   | Completed - No Critical DMEs                                                                                                                                                                                                                   |
| Name:                      | Lisa A-CTR Thrysoe                                                                                                                                                                                                                             |
| Project File:              | C:\Users\LISAA~1\AppData\Local\Temp\KMSP SNOWZ1 SID DME NO RW 17 (email).tgs                                                                                                                                                                   |
| Output File:               | C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 261029\SIDS\KMSP SNOWZ ONE SID 260319\KMSP [IFPA] SNOWZ1 20260608_0959 EDT\SNOWZ_ISTIQ\KMSP SNOWZ1 SID SNOWZ ISTIQ 20260608_0959 EDT.pdf |
| Procedure Name:            | SNOWZ1                                                                                                                                                                                                                                         |
| Software:<br>DmeDmePlugin: | 8.0.0                                                                                                                                                                                                                                          |
| Date/Time:                 | 06/08/2026 09:59 EDT                                                                                                                                                                                                                           |
| Databases:                 | MITRE 3DEP 3 arcsec                                                                                                                                                                                                                            |

### Failures

No Failures

### Warnings

No Warnings

### Informational

No Informational

### Notes For Flight Check

None

### Flight Plan

| Name   | Type | Lat/Lon                                  | Altitude (ft) | VNAV Mode | Ground Speed (kts) | Turn Type | Leg Type |
|--------|------|------------------------------------------|---------------|-----------|--------------------|-----------|----------|
| SNOWZ  | WP   | N44° 41' 17.6201",<br>W093° 26' 42.1853" | 4000          | VNAV      | 200                | FLY_BY    | TF       |
| SLALM  | WP   | N44° 40' 38.7947",<br>W093° 34' 06.2673" | 5000          | VNAV      | 200                | FLY_BY    | TF       |
| MOGLL  | WP   | N44° 35' 00.3300",<br>W093° 50' 32.2600" | 7000          | VNAV      | 200                | FLY_BY    | TF       |
| SLAYR  | WP   | N44° 25' 06.0000",<br>W094° 08' 53.0000" | 7000          | VNAV      | 200                | FLY_BY    | TF       |
| SMTHA  | WP   | N43° 51' 23.5655",<br>W095° 22' 11.7120" | 9000          | VNAV      | 200                | FLY_BY    | TF       |
| TEYOU_ | WP   | N43° 22' 14.9795",<br>W096° 22' 56.3054" | 10000         | VNAV      | 200                | FLY_BY    | TF       |
| ISTIQ  | WP   | N41° 24' 52.0400",<br>W098° 24' 18.8900" | 11000         | VNAV      | 200                | FLY_BY    | TF       |

### Flyability

|                        |                                    |
|------------------------|------------------------------------|
| Flight Type:           | SID                                |
| Selected Airport:      | KMSP [IFPA]                        |
| Climb Gradient:        | None assigned                      |
| Speeds:                | 130 at the Runway DER              |
|                        | 145 at the end of the VA or VI leg |
|                        | 200 Ground Speed to 11000 FT       |
|                        | 240 Ground Speed to 18000 FT       |
|                        | 260 Ground Speed to 24000 FT       |
|                        | 340 Ground Speed above 24000 FT    |
| Descent During a Turn: | Allowed                            |
| VNAV Mode:             | Flight Plan                        |

## DME DME Assessment Results for SNOWZ1 path SNOWZ\_ISTIQ

| DME/DME                           |                             |
|-----------------------------------|-----------------------------|
| RNP:                              | RNP 2                       |
| Flight Mode:                      | Manual                      |
| Line of Sight (DTED Level 0 Max): | Evaluated                   |
| Inertial Drift:                   | Enabled                     |
| Initial Drift:                    | 0.558 NM                    |
| INS Drift Rate:                   | 8.0 NM/Hour                 |
| Range Mode:                       | OSV                         |
| RNP Edges:                        | Evaluated                   |
| Min DME Range:                    | 3.0 NM                      |
| DME Types:                        | DME, VOR-DME, VORTAC, TACAN |
| DME Include Angles:               | 30 to 150                   |
| Critical DMEs:                    | Allowed                     |
| DoD Facilities:                   | Not included                |
| Foreign Facilities:               | Not included                |
| High DMEs:                        | Included                    |
| Low DMEs:                         | Included                    |
| Terminal DMEs:                    | Included                    |
| Flight Check DMEs:                | Not selected                |
| Higher Altitudes:                 | Not Evaluated               |
| Near Maximum Altitude:            | Not Evaluated               |
| Automatic ESVs:                   | Enabled                     |
| Disabled DMEs:                    | None                        |

**DME DME Assessment Results for SNOWZ1 path SNOWZ\_ISTIQ**

| <b>DME/DME (Continued)</b> |      |                                          |        |       |      |        |          |         |        |          |
|----------------------------|------|------------------------------------------|--------|-------|------|--------|----------|---------|--------|----------|
| <b>DMEs Used</b>           |      |                                          |        |       |      |        |          |         |        |          |
| #                          | Name | Lat/Lon                                  | MAGVAR | Range | Type | Source | Critical | Status  | Time   | Distance |
| 1                          | RWF  | N44° 28' 02.1854",<br>W095° 07' 41.6276" | 7.0 E  | 130   | DH   |        | NO       | Enabled | 55.7 % | 55.7 %   |
| 2                          | OTG  | N43° 38' 48.3921",<br>W095° 34' 54.6016" | 0.0 E  | 40    | L    |        | NO       | Enabled | 22.9 % | 22.8 %   |
| 3                          | LNK  | N40° 55' 25.6565",<br>W096° 44' 31.2342" | 9.0 E  | 130   | H    |        | NO       | Enabled | 10.7 % | 10.7 %   |
| 4                          | ANW  | N42° 34' 08.8100",<br>W099° 59' 22.7800" | 9.0 E  | 130   | DH   |        | NO       | Enabled | 8.7 %  | 8.7 %    |
| 5                          | MSP  | N44° 53' 47.3958",<br>W093° 14' 11.5137" | 2.0 E  | 130   | DH   |        | NO       | Enabled | 28.5 % | 28.4 %   |
| 6                          | ONL  | N42° 28' 13.7957",<br>W098° 41' 12.9386" | 10.0 E | 130   | H    |        | NO       | Enabled | 5.3 %  | 5.3 %    |
| 7                          | FCM  | N44° 49' 31.2603",<br>W093° 26' 33.6793" | 1.0 E  | 40    | L    |        | NO       | Enabled | 11.8 % | 11.8 %   |
| 8                          | FNX  | N43° 38' 15.9267",<br>W094° 24' 47.5134" | 0.0 E  | 130   | DH   |        | NO       | Enabled | 54.4 % | 54.4 %   |
| 9                          | FGT  | N44° 37' 51.4303",<br>W093° 10' 55.3911" | 6.0 E  | 130   | H    |        | NO       | Enabled | 9.9 %  | 9.9 %    |
| 10                         | RST  | N43° 46' 58.4501",<br>W092° 35' 49.0560" | 5.0 E  | 130   | DH   |        | NO       | Enabled | 10.1 % | 10.1 %   |
| 11                         | GEP  | N45° 08' 44.4656",<br>W093° 22' 23.4514" | 6.0 E  | 130   | H    |        | NO       | Enabled | 5.5 %  | 5.5 %    |
| 12                         | OBH  | N41° 22' 32.6480",<br>W098° 21' 12.9430" | 0.0 E  | 130   | DH   |        | NO       | Enabled | 29.8 % | 29.9 %   |
| 13                         | OFK  | N41° 59' 16.5423",<br>W097° 26' 04.4497" | 8.0 E  | 40    | L    |        | NO       | Enabled | 18.2 % | 18.2 %   |
| 14                         | FSD  | N43° 38' 58.1657",<br>W096° 46' 52.0501" | 9.0 E  | 130   | H    |        | NO       | Enabled | 16.8 % | 16.8 %   |
| 15                         | MKT  | N44° 13' 11.6641",<br>W093° 54' 44.4827" | 0.0 E  | 40    | L    |        | NO       | Enabled | 11.5 % | 11.5 %   |
| 16                         | OLU  | N41° 27' 00.1137",<br>W097° 20' 26.9508" | 8.0 E  | 40    | L    |        | NO       | Enabled | 3.1 %  | 3.2 %    |
| 17                         | SPW  | N43° 09' 43.8365",<br>W095° 12' 03.5706" | 5.0 E  | 40    | L    |        | NO       | Enabled | 2.6 %  | 2.6 %    |
| 18                         | YKN  | N42° 55' 06.1491",<br>W097° 23' 05.9177" | 0.0 E  | 40    | L    |        | NO       | Enabled | 21.6 % | 21.6 %   |
| 19                         | GRI  | N40° 59' 02.5000",<br>W098° 18' 53.2000" | 7.0 E  | 40    | L    |        | NO       | Enabled | 4.6 %  | 4.6 %    |

# DME DME Assessment Results for SNOWZ1 path SNOWZ\_ISTIQ

| Flight Check DME Selection |               |     |     |     |     |           |
|----------------------------|---------------|-----|-----|-----|-----|-----------|
| Distance [NM]              | Selected DMEs |     |     |     |     | Alternate |
| 0.0                        | FGT           | GEP | FCM | MSP |     |           |
| 6.1                        | FGT           | GEP | FCM | RWF | MSP |           |
| 16.3                       | FCM           | RST | MSP | FNX | FGT | RWF       |
| 29.5                       | FNX           | RWF | RST | FCM | MSP |           |
| 35.3                       | MSP           | MKT | FNX | RWF | RST |           |
| 42.2                       | FNX           | RWF | MKT | MSP |     |           |
| 67.6                       | RWF           | MSP | FNX |     |     |           |
| 73.1                       | OTG           | FNX | RWF | MSP |     |           |
| 84.9                       | OTG           | FNX | RWF |     |     |           |
| 107.6                      | OTG           | FNX | RWF | SPW |     |           |
| 115.6                      | OTG           | RWF | FNX |     |     |           |
| 126.3                      | FSD           | RWF | FNX | OTG |     |           |
| 129.9                      | FSD           | RWF | FNX |     |     |           |
| 138.9                      | FSD           | RWF | OTG | FNX |     |           |
| 150.4                      | FSD           | RWF | FNX |     |     |           |
| 165.4                      | FSD           | YKN | FNX | RWF |     |           |
| 171.5                      | FSD           | YKN | RWF |     |     |           |
| 172.4                      | FSD           | YKN |     |     |     |           |
| 176.4                      |               |     |     |     |     |           |
| 196.6                      | OBH           | YKN |     |     |     |           |
| 203.3                      | ONL           | YKN | OBH |     |     |           |
| 208.7                      | ONL           | YKN | OFK | OBH |     |           |
| 219.1                      |               |     |     |     |     |           |
| 226.9                      | OBH           | OFK |     |     |     |           |
| 249.0                      | OBH           | OFK | LNK |     |     |           |
| 249.8                      | YKN           | OFK | OBH | LNK |     |           |
| 271.0                      | OLU           | OBH | YKN | LNK | ANW |           |
| 280.2                      | LNK           | OBH | YKN | ANW |     |           |
| 280.9                      | ANW           | OBH |     |     |     |           |
| 281.1                      | OLU           | GRI | OBH | ANW |     |           |
| 281.4                      | ANW           | OBH |     |     |     |           |
| 283.5                      | ANW           | OBH | GRI |     |     |           |
| 293.5                      | GRI           | ANW |     |     |     |           |
| 297.0                      |               |     |     |     |     |           |

| Inertial Drift Segments |                                       |                                       |             |
|-------------------------|---------------------------------------|---------------------------------------|-------------|
| #                       | Start Location                        | End Location                          | Length [NM] |
| 1                       | N43° 01' 41.1321", W096° 44' 55.4017" | N42° 45' 42.6310", W097° 01' 46.9376" | 20.2147     |
| 2                       | N42° 27' 55.8684", W097° 20' 19.5245" | N42° 21' 42.8421", W097° 26' 45.3569" | 7.8304      |
| 3                       | N41° 25' 48.1021", W098° 23' 23.1774" | N41° 24' 52.0400", W098° 24' 18.8900" | 1.1662      |

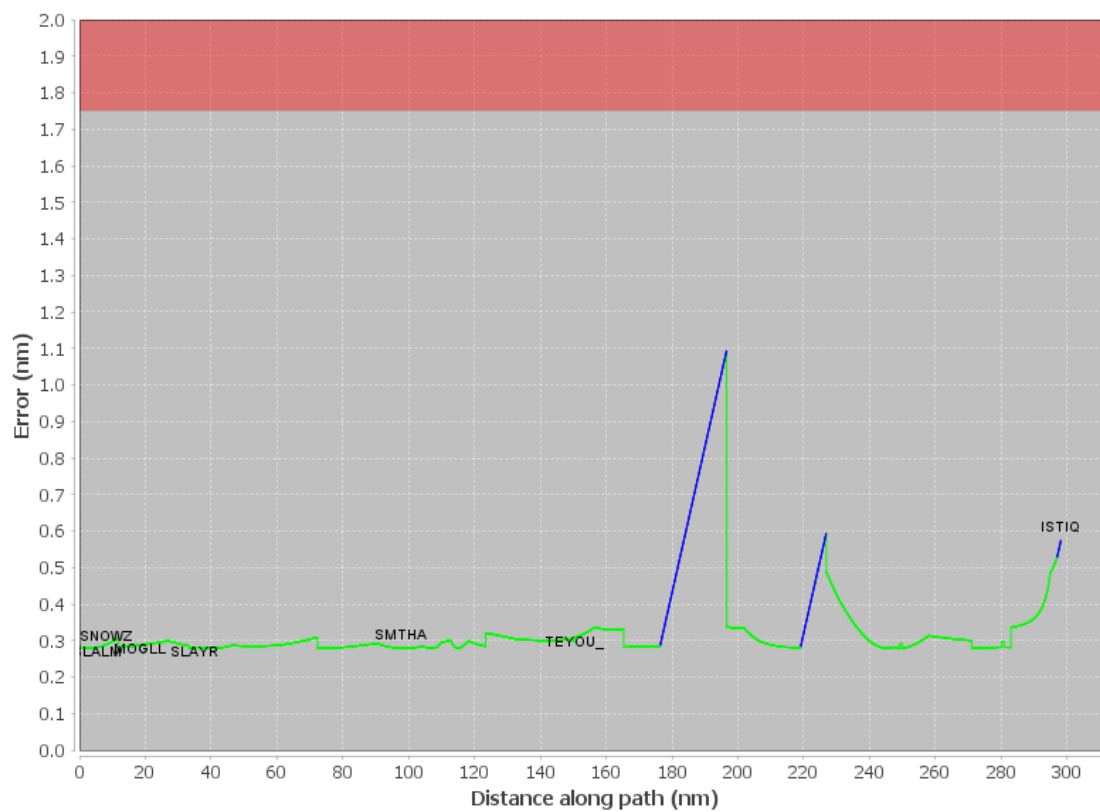
| Available DMEs by Waypoints |                |                                                       |                |
|-----------------------------|----------------|-------------------------------------------------------|----------------|
| Waypoint Before             | Waypoint After | DME List                                              | Suggested DMEs |
| SNOWZ                       | SLALM          | FCM, FGT, GEP, MSP                                    |                |
| SLALM                       | MOGLL          | RWF, FCM, FNX, FGT, RST, GEP, MSP                     |                |
| MOGLL                       | SLAYR          | RWF, FNX, FCM, FGT, RST, MKT, MSP                     |                |
| SLAYR                       | SMTHA          | RWF, FNX, FCM, RST, OTG, MKT, MSP                     |                |
| SMTHA                       | TEYOU_         | RWF, FNX, OTG, FSD, SPW                               |                |
| TEYOU_                      | ISTIQ          | RWF, FNX, OBH, OFK, FSD, LNK, OLU, ANW, ONL, YKN, GRI |                |

# DME DME Assessment Results for SNOWZ1 path SNOWZ\_ISTIQ

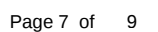
| User Data Files |                         |                                                                     |        |       |                |                                                                 |                  |        |
|-----------------|-------------------------|---------------------------------------------------------------------|--------|-------|----------------|-----------------------------------------------------------------|------------------|--------|
| #               | File Name               |                                                                     |        |       |                |                                                                 |                  |        |
| 1               | New Analysis.udt        |                                                                     |        |       |                |                                                                 |                  |        |
| User DMEs       |                         |                                                                     |        |       |                |                                                                 |                  |        |
| #               | Name                    | Lat/Lon                                                             | MAGVAR | Range | Elevation [ft] | Frequency                                                       | Replaces         | Status |
| 1               | ONL [IFPA]<br>ONL       | N42° 28' 13.7957",<br>W098° 41' 12.9386"                            | 10.0 E | 130   | 2027.5         | 113.9                                                           | ONL [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 77.0° to 92.0°<br>Bearing [Mag]: 67.0° to 82.0°     |        |       |                | Arc Distance: Out to 74.0 NM<br>Altitude: 10200.0 to 16600.0 ft |                  |        |
| 2               | YKN [IFPA]<br>YKN       | N42° 55' 06.1491",<br>W097° 23' 05.9177"                            | 0.0 E  | 40    | 1300.7         | 111.4                                                           | YKN [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 194.0° to 208.0°<br>Bearing [Mag]: 194.0° to 208.0° |        |       |                | Arc Distance: Out to 85.0 NM<br>Altitude: 10500.0 to 19400.0 ft |                  |        |
| 3               | DWN<br>DWN              | N45° 05' 14.8650",<br>W094° 27' 13.8590"                            | 0.0 E  | 40    | 1130           | null                                                            | DWN              |        |
| ESV:            |                         | Bearing [True]: 107.0° to 112.0°<br>Bearing [Mag]: 107.0° to 112.0° |        |       |                | Arc Distance: Out to 55.0 NM<br>Altitude: 3900.0 to 19200.0 ft  |                  |        |
| 4               | LNK [IFPA]<br>LNK       | N40° 55' 25.6565",<br>W096° 44' 31.2342"                            | 9.0 E  | 130   | 1369.9         | 116.1                                                           | LNK [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 304.0° to 328.0°<br>Bearing [Mag]: 295.0° to 319.0° |        |       |                | Arc Distance: Out to 86.0 NM<br>Altitude: 10500.0 to 15900.0 ft |                  |        |
| 5               | MCW [IFPA]<br>MCW       | N43° 05' 41.1255",<br>W093° 19' 47.5405"                            | 6.0 E  | 130   | 1208.6         | 114.9                                                           | MCW [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 214.0° to 240.0°<br>Bearing [Mag]: 208.0° to 234.0° |        |       |                | Arc Distance: Out to 84.0 NM<br>Altitude: 8300.0 to 15800.0 ft  |                  |        |
| 6               | SPW FAA 212013-3<br>SPW | N43° 09' 43.8365",<br>W095° 12' 03.5706"                            | 5.0 E  | 40    | 1335.1         | 115.15                                                          | SPW FAA 212013-3 |        |
| ESV:            |                         | Bearing [True]: 74.0° to 142.0°<br>Bearing [Mag]: 69.0° to 137.0°   |        |       |                | Arc Distance: Out to 63.0 NM<br>Altitude: 10000.0 to 19000.0 ft |                  |        |

## DME DME Assessment Results for SNOWZ1 path SNOWZ\_ISTIQ

### DME Error

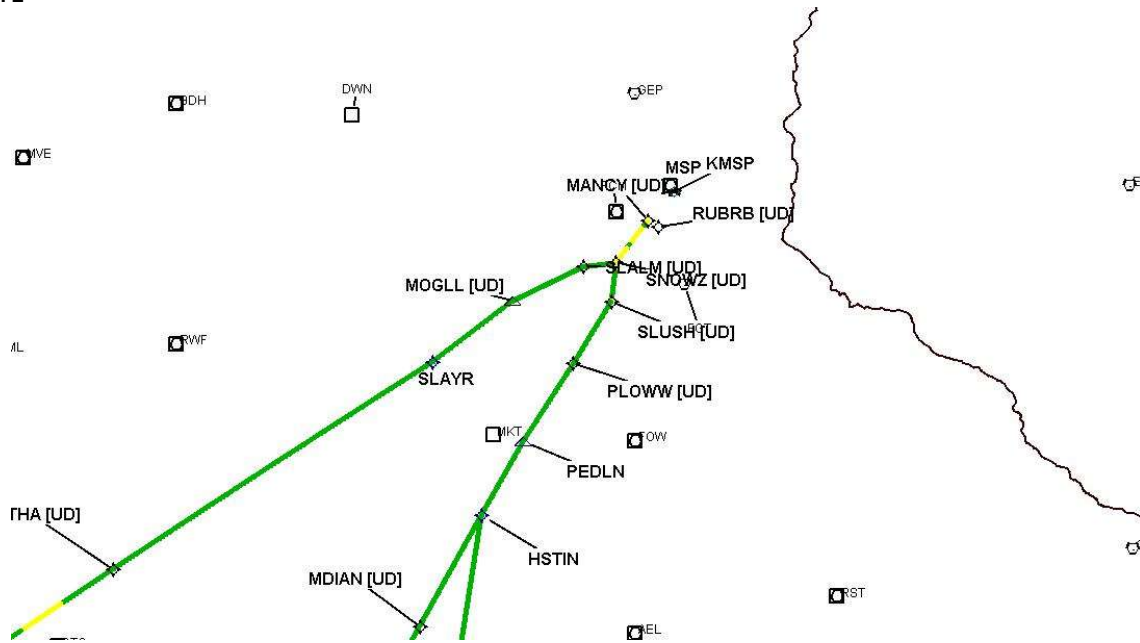


### Graphic Depiction 1



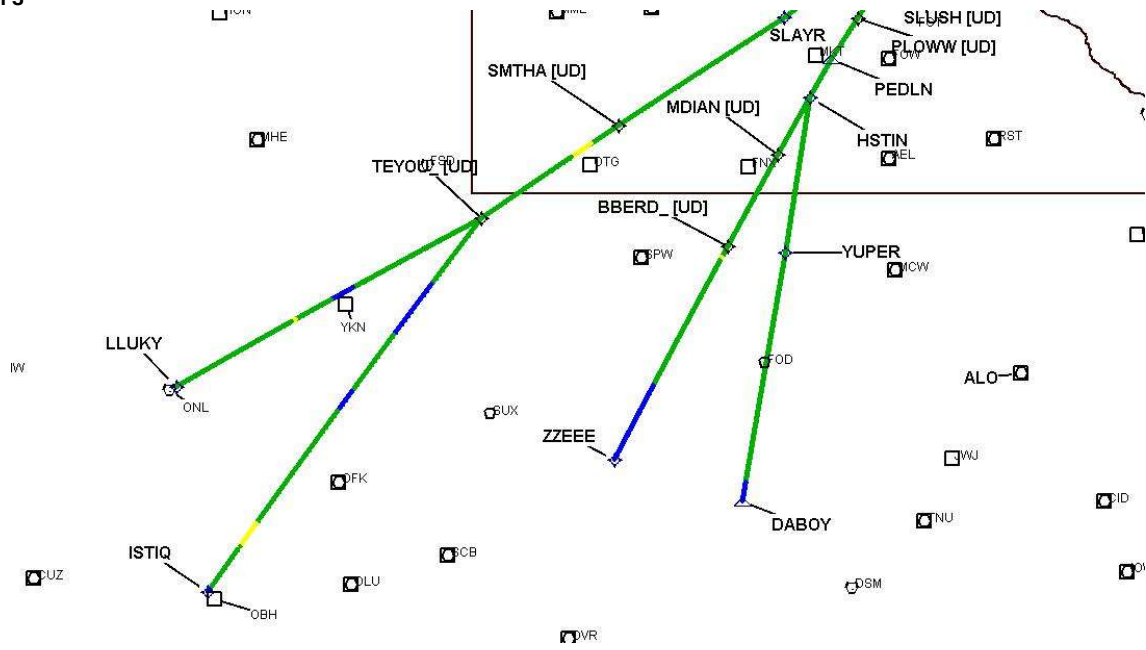
## DME DME Assessment Results for SNOWZ1 path SNOWZ\_ISTIQ

Graphic Depiction 2



Graphic Depiction 3

### DME DME Assessment Results for SNOWZ1 path SNOWZ\_ISTIQ



## DME DME Assessment Results for SNOWZ1 path TEYOU\_\_LLUKY

### Results Summary

|                            |                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flyability:                | Completed                                                                                                                                                                                                                                       |
| DME/DME:                   | Completed - No Critical DMEs                                                                                                                                                                                                                    |
| Name:                      | Lisa A-CTR Thrysoe                                                                                                                                                                                                                              |
| Project File:              | C:\Users\LISAA~1\AppData\Local\Temp\KMSP SNOWZ1 SID DME NO RW 17 (email).tgs                                                                                                                                                                    |
| Output File:               | C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 261029\SIDS\KMSP SNOWZ ONE SID 260319\KMSP [IFPA] SNOWZ1 20260608_0959 EDT\TEYOU__LLUKY\KMSP SNOWZ1 SID TEYOU LLUKY 20260608_0959 EDT.pdf |
| Procedure Name:            | SNOWZ1                                                                                                                                                                                                                                          |
| Software:<br>DmeDmePlugin: | 8.0.0                                                                                                                                                                                                                                           |
| Date/Time:                 | 06/08/2026 09:59 EDT                                                                                                                                                                                                                            |
| Databases:                 | MITRE 3DEP 3 arcsec                                                                                                                                                                                                                             |

### Failures

No Failures

### Warnings

No Warnings

### Informational

No Informational

### Notes For Flight Check

None

### Flight Plan

| Name   | Type | Lat/Lon                                  | Altitude (ft) | VNAV Mode | Ground Speed (kts) | Turn Type | Leg Type |
|--------|------|------------------------------------------|---------------|-----------|--------------------|-----------|----------|
| TEYOU_ | WP   | N43° 22' 14.9795",<br>W096° 22' 56.3054" | 10000         | VNAV      | 200                | FLY_BY    | TF       |
| LLUKY  | WP   | N42° 29' 20.2600",<br>W098° 38' 11.4400" | 11000         | VNAV      | 200                | FLY_BY    | TF       |

### Flyability

|                        |                                    |
|------------------------|------------------------------------|
| Flight Type:           | SID                                |
| Selected Airport:      | KMSP [IFPA]                        |
| Climb Gradient:        | None assigned                      |
| Speeds:                | 130 at the Runway DER              |
|                        | 145 at the end of the VA or VI leg |
|                        | 200 Ground Speed to 11000 FT       |
|                        | 240 Ground Speed to 18000 FT       |
|                        | 260 Ground Speed to 24000 FT       |
|                        | 340 Ground Speed above 24000 FT    |
| Descent During a Turn: | Allowed                            |
| VNAV Mode:             | Flight Plan                        |

## DME DME Assessment Results for SNOWZ1 path TEYOU\_\_LLUKY

| DME/DME                           |                             |
|-----------------------------------|-----------------------------|
| RNP:                              | RNP 2                       |
| Flight Mode:                      | Manual                      |
| Line of Sight (DTED Level 0 Max): | Evaluated                   |
| Inertial Drift:                   | Enabled                     |
| Initial Drift:                    | 0.558 NM                    |
| INS Drift Rate:                   | 8.0 NM/Hour                 |
| Range Mode:                       | OSV                         |
| RNP Edges:                        | Evaluated                   |
| Min DME Range:                    | 3.0 NM                      |
| DME Types:                        | DME, VOR-DME, VORTAC, TACAN |
| DME Include Angles:               | 30 to 150                   |
| Critical DMEs:                    | Allowed                     |
| DoD Facilities:                   | Not included                |
| Foreign Facilities:               | Not included                |
| High DMEs:                        | Included                    |
| Low DMEs:                         | Included                    |
| Terminal DMEs:                    | Included                    |
| Flight Check DMEs:                | Not selected                |
| Higher Altitudes:                 | Not Evaluated               |
| Near Maximum Altitude:            | Not Evaluated               |
| Automatic ESVs:                   | Enabled                     |
| Disabled DMEs:                    | None                        |

| DME/DME (Continued) |      |                                          |        |       |      |        |          |         |        |          |
|---------------------|------|------------------------------------------|--------|-------|------|--------|----------|---------|--------|----------|
| DMEs Used           |      |                                          |        |       |      |        |          |         |        |          |
| #                   | Name | Lat/Lon                                  | MAGVAR | Range | Type | Source | Critical | Status  | Time   | Distance |
| 1                   | RWF  | N44° 28' 02.1854",<br>W095° 07' 41.6276" | 7.0 E  | 130   | DH   |        | NO       | Enabled | 20.1 % | 20.1 %   |
| 2                   | FNX  | N43° 38' 15.9267",<br>W094° 24' 47.5134" | 0.0 E  | 130   | DH   |        | NO       | Enabled | 16.9 % | 16.9 %   |
| 3                   | OTG  | N43° 38' 48.3921",<br>W095° 34' 54.6016" | 0.0 E  | 40    | L    |        | NO       | Enabled | 1 %    | 1 %      |
| 4                   | OBH  | N41° 22' 32.6480",<br>W098° 21' 12.9430" | 0.0 E  | 130   | DH   |        | NO       | Enabled | 50.1 % | 50.1 %   |
| 5                   | FSD  | N43° 38' 58.1657",<br>W096° 46' 52.0501" | 9.0 E  | 130   | H    |        | NO       | Enabled | 33.2 % | 33.2 %   |
| 6                   | HON  | N44° 26' 24.3000",<br>W098° 18' 39.9051" | 0.0 E  | 130   | DH   |        | NO       | Enabled | 64.1 % | 64.1 %   |
| 7                   | ANW  | N42° 34' 08.8100",<br>W099° 59' 22.7800" | 9.0 E  | 130   | DH   |        | NO       | Enabled | 39.6 % | 39.6 %   |
| 8                   | ONL  | N42° 28' 13.7957",<br>W098° 41' 12.9386" | 10.0 E | 130   | H    |        | NO       | Enabled | 31.5 % | 31.5 %   |
| 9                   | YKN  | N42° 55' 06.1491",<br>W097° 23' 05.9177" | 0.0 E  | 40    | L    |        | NO       | Enabled | 62.7 % | 62.7 %   |

# DME DME Assessment Results for SNOWZ1 path TEYOU\_\_LLUKY

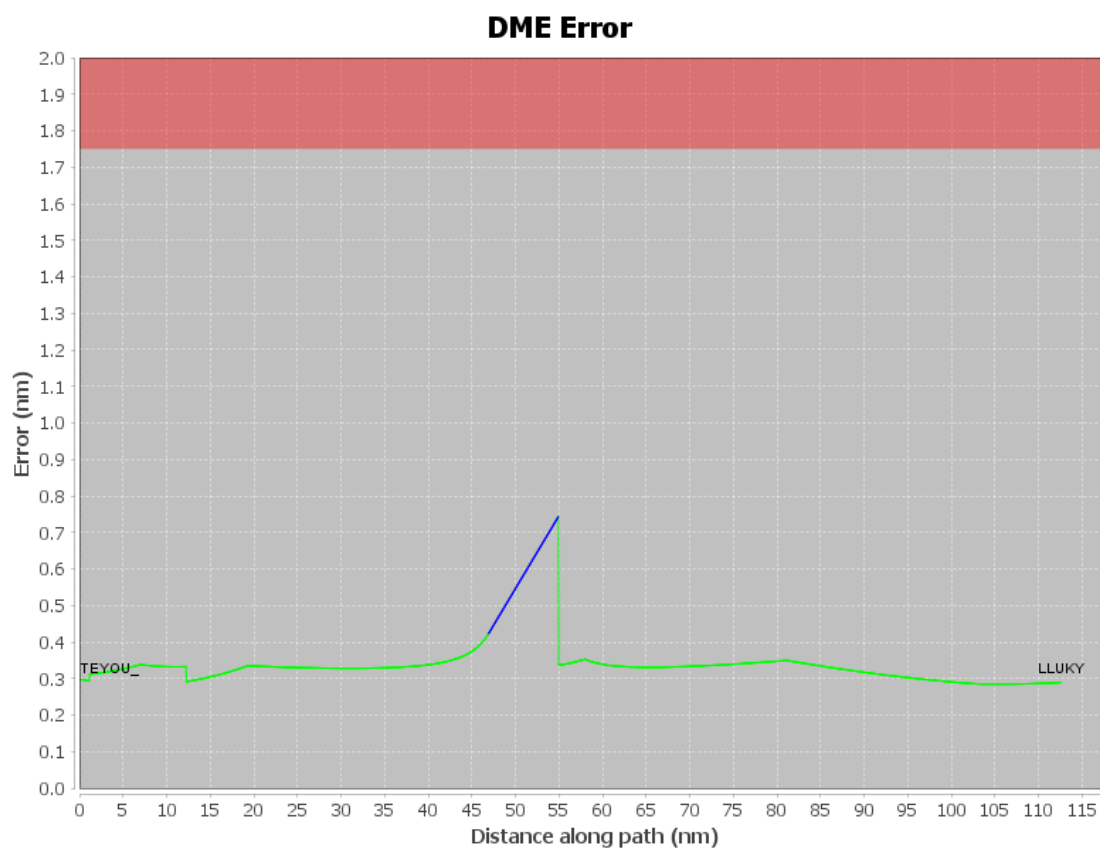
| Flight Check DME Selection |               |     |     |     |     |           |
|----------------------------|---------------|-----|-----|-----|-----|-----------|
| Distance [NM]              | Selected DMEs |     |     |     |     | Alternate |
| 0.0                        | OTG           | FSD | RWF | FNX |     |           |
| 1.2                        | FSD           | RWF | FNX |     |     |           |
| 9.7                        | FNX           | FSD | RWF | HON |     |           |
| 12.3                       | FSD           | YKN | FNX | HON | RWF |           |
| 19.0                       | FSD           | YKN | HON | RWF |     |           |
| 22.7                       | HON           | YKN | FSD |     |     |           |
| 37.4                       | HON           | YKN |     |     |     |           |
| 46.9                       |               |     |     |     |     |           |
| 55.0                       | HON           | YKN |     |     |     |           |
| 56.1                       | OBH           | YKN | HON |     |     |           |
| 68.0                       | HON           | YKN | OBH | ANW |     |           |
| 75.2                       | HON           | YKN | ONL | OBH | ANW |           |
| 90.0                       | ANW           | OBH | YKN | ONL |     |           |
| 91.0                       | ANW           | OBH | ONL |     |     |           |
| 110.7                      | ANW           | OBH |     |     |     |           |

| Inertial Drift Segments |                                       |                                       |             |
|-------------------------|---------------------------------------|---------------------------------------|-------------|
| #                       | Start Location                        | End Location                          | Length [NM] |
| 1                       | N43° 00' 31.0413", W097° 19' 47.4335" | N42° 56' 44.4559", W097° 29' 28.7225" | 8.0519      |

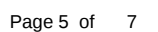
| Available DMEs by Waypoints |                |                                             |                |
|-----------------------------|----------------|---------------------------------------------|----------------|
| Waypoint Before             | Waypoint After | DME List                                    | Suggested DMEs |
| TEYOU_                      | LLUKY          | RWF, FNX, OTG, OBH, FSD, HON, ANW, ONL, YKN |                |

| User Data Files |                         |                                                                     |        |       |                |                                                                 |                  |        |
|-----------------|-------------------------|---------------------------------------------------------------------|--------|-------|----------------|-----------------------------------------------------------------|------------------|--------|
| #               | File Name               |                                                                     |        |       |                |                                                                 |                  |        |
| 1               | New Analysis.udt        |                                                                     |        |       |                |                                                                 |                  |        |
| User DMEs       |                         |                                                                     |        |       |                |                                                                 |                  |        |
| #               | Name                    | Lat/Lon                                                             | MAGVAR | Range | Elevation [ft] | Frequency                                                       | Replaces         | Status |
| 1               | ONL [IFPA]<br>ONL       | N42° 28' 13.7957",<br>W098° 41' 12.9386"                            | 10.0 E | 130   | 2027.5         | 113.9                                                           | ONL [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 77.0° to 92.0°<br>Bearing [Mag]: 67.0° to 82.0°     |        |       |                | Arc Distance: Out to 74.0 NM<br>Altitude: 10200.0 to 16600.0 ft |                  |        |
| 2               | YKN [IFPA]<br>YKN       | N42° 55' 06.1491",<br>W097° 23' 05.9177"                            | 0.0 E  | 40    | 1300.7         | 111.4                                                           | YKN [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 194.0° to 208.0°<br>Bearing [Mag]: 194.0° to 208.0° |        |       |                | Arc Distance: Out to 85.0 NM<br>Altitude: 10500.0 to 19400.0 ft |                  |        |
| 3               | DWN<br>DWN              | N45° 05' 14.8650",<br>W094° 27' 13.8590"                            | 0.0 E  | 40    | 1130           | null                                                            | DWN              |        |
| ESV:            |                         | Bearing [True]: 107.0° to 112.0°<br>Bearing [Mag]: 107.0° to 112.0° |        |       |                | Arc Distance: Out to 55.0 NM<br>Altitude: 3900.0 to 19200.0 ft  |                  |        |
| 4               | LNK [IFPA]<br>LNK       | N40° 55' 25.6565",<br>W096° 44' 31.2342"                            | 9.0 E  | 130   | 1369.9         | 116.1                                                           | LNK [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 304.0° to 328.0°<br>Bearing [Mag]: 295.0° to 319.0° |        |       |                | Arc Distance: Out to 86.0 NM<br>Altitude: 10500.0 to 15900.0 ft |                  |        |
| 5               | MCW [IFPA]<br>MCW       | N43° 05' 41.1255",<br>W093° 19' 47.5405"                            | 6.0 E  | 130   | 1208.6         | 114.9                                                           | MCW [IFPA]       |        |
| ESV:            |                         | Bearing [True]: 214.0° to 240.0°<br>Bearing [Mag]: 208.0° to 234.0° |        |       |                | Arc Distance: Out to 84.0 NM<br>Altitude: 8300.0 to 15800.0 ft  |                  |        |
| 6               | SPW FAA 212013-3<br>SPW | N43° 09' 43.8365",<br>W095° 12' 03.5706"                            | 5.0 E  | 40    | 1335.1         | 115.15                                                          | SPW FAA 212013-3 |        |
| ESV:            |                         | Bearing [True]: 74.0° to 142.0°<br>Bearing [Mag]: 69.0° to 137.0°   |        |       |                | Arc Distance: Out to 63.0 NM<br>Altitude: 10000.0 to 19000.0 ft |                  |        |

## DME DME Assessment Results for SNOWZ1 path TEYOU\_\_LLUKY

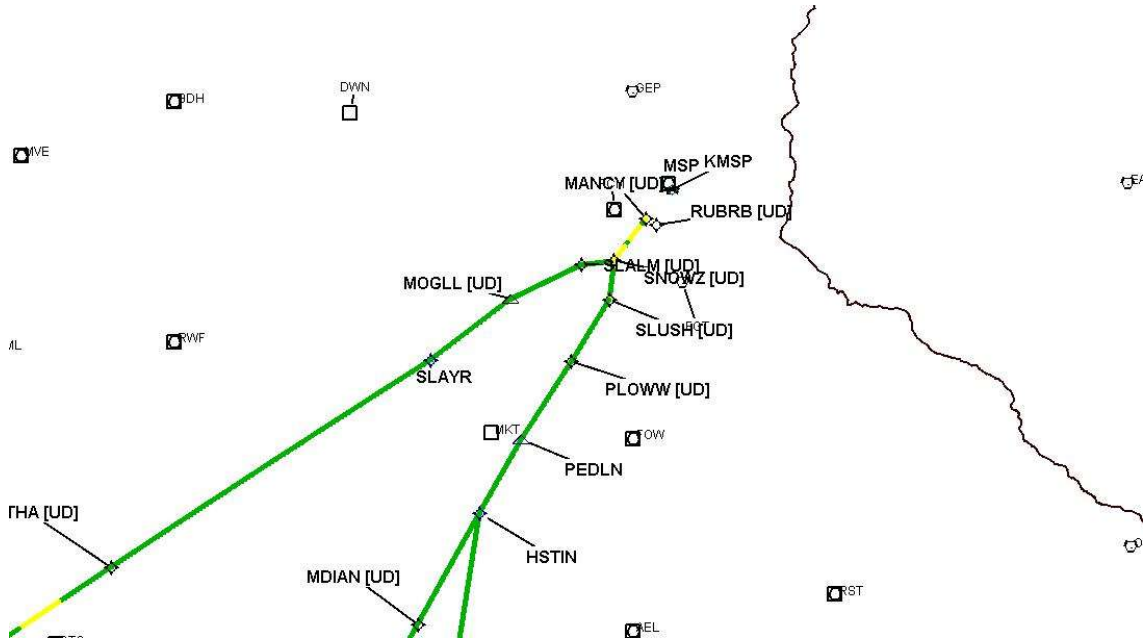


### Graphic Depiction 1



DME DME Assessment Results for SNOWZ1 path TEYOU\_\_LLUKY

Graphic Depiction 2



### Graphic Depiction 3

