

-- BVY -KBVY --

TAKEOFF PERFORMANCE

-- BVY -KBVY --

ELEVATION 107

GULFSTREAM V

BEVERLY, MA

RR BR710 ENG

BEVERLY REGL

AFM REVISION 36

TAKEOFF FLAPS 20.0 DEGREES

| RUNWAY | 09 | 16 | 27 | 34 | |
|------------------|-----------|-----------------------------------|-----------|-----------|--------|
| TORA(FT) | 4755 | 5000 | 4755 | 5000 | |
| TODA(FT) | 4755 | 5000 | 4755 | 5000 | CLIMB |
| ASDA(FT) | 4755 | 5000 | 4755 | 5000 | |
| SLOPE(%) | 0.41 | -0.50 | -0.41 | 0.50 | LIMIT |
| TMP EPR A/I | | | | | |
| DGC OFF/ ON | | | | | |
| | | RUNWAY/OBSTACLE LIMIT WEIGHT / V1 | | | |
| 8 1.53 1.52 | 79615/128 | 83389/129 | 81742/127 | 82157/129 | 90500. |
| 10 1.53 1.52 | 79421/127 | 83068/129 | 81436/127 | 81845/129 | 90500. |
| 12 1.53 | 79289/127 | 82847/129 | 81227/127 | 81631/129 | 90500. |
| 14 1.53 | 79165/127 | 82661/129 | 81045/126 | 81448/128 | 90500. |
| 16 1.53 | 79032/127 | 82479/128 | 80867/126 | 81270/128 | 90500. |
| HW +LBS/KT | 151 | 143 | 167 | 155 | |
| TW -LBS/KT | 458 | 478 | 500 | 506 | |
| QNH +LBS/.1 | 126 | 163 | 166 | 166 | |
| QNH -LBS/.1 | 232 | 268 | 254 | 260 | |
| CWL AI ON-LBS | 810 | 700 | 900 | 960 | 0 |
| WNG+CWL AI-LBS | 2840 | 2450 | 2600 | 2600 | 0 |
| SPLRS INP-LBS/V1 | 1420/ 8 | 1720/ 7 | 1890/ 8 | 1920/ 7 | |
| ASKD INOP-LBS/V1 | 25560/ 0 | 23860/19 | 25750/17 | 23640/19 | |
| ACCEL HT (MSL) | 1607 | 1607 | 1607 | 1607 | |

*** OBSERVE STRUCTURAL LIMITS ***

26Jan17

26-Jan-2017
Aircraft Performance Group, Inc

Gulfstream G550

Engine: BR710

AFM: GAC-AC-G550-OPS-0001 Rev 40

Obstacle Criteria: FAA AC 120-91

TAKEOFF PERFORMANCE**FLAPS 20****BVY / KBVY**

BEVERLY REGL

BEVERLY, MA

Elevation: 107

Configuration:

- ECS ON
- WITH THRUST REV

| Runway | 16 | 34 | Line-Up Dist |
|-----------|-------|------|--------------|
| TORA (FT) | 5000 | 5000 | 0 |
| TODA (FT) | 5000 | 5000 | 0 |
| ASDA (FT) | 5000 | 5000 | 0 |
| SLOPE (%) | -0.50 | 0.50 | |

Runway/Obstacle Weight Limits:

| TEMP (°C) | PWR | 16 | | | 34 | | | CLIMB |
|--------------|------|---------------|-----------------|--------|---------------|-----------------|--------|-------|
| | | LIMIT WT/CODE | V1/VR/V2/VFTO | LVLOFF | LIMIT WT/CODE | V1/VR/V2/VFTO | LVLOFF | |
| -15 | 1.56 | 81310 -O | 131/132/138/178 | 1757 | 80785 -O | 130/131/137/177 | 1807 | 91000 |
| -10 | 1.56 | 80871 -O | 130/132/137/177 | 1725 | 80371 -O | 129/131/137/177 | 1774 | 91000 |
| -5 | 1.56 | 80231 -O | 129/131/137/176 | 1695 | 79748 -O | 128/130/136/176 | 1743 | 91000 |
| 0 | 1.56 | 79594 -O | 128/130/136/176 | 1665 | 79153 -O | 128/130/135/175 | 1713 | 91000 |
| 5 | 1.56 | 79185 -O | 128/130/135/175 | 1637 | 78753 -O | 127/129/135/174 | 1684 | 91000 |
| 10 | 1.56 | 78775 -O | 127/129/135/174 | 1610 | 78357 -O | 126/129/135/174 | 1656 | 91000 |
| 15 | 1.56 | 78400 -O | 127/129/135/174 | 1607 | 77934 -O | 126/129/134/173 | 1629 | 91000 |
| 20 | 1.56 | 78017 -O | 126/129/134/173 | 1607 | 77541 -O | 126/128/134/173 | 1607 | 91000 |
| 25 | 1.56 | 77663 -O | 126/128/134/173 | 1607 | 77140 -O | 125/128/133/172 | 1607 | 91000 |
| 30 | 1.56 | 77220 -O | 125/128/134/172 | 1607 | 76667 -O | 125/127/133/171 | 1607 | 91000 |

| Corrections | LBS | FT | LBS | FT | LBS |
|--------------|-------|----|-------|----|-----|
| HWD per KT | +156 | 0 | +160 | 0 | |
| TWD per KT | -532 | 0 | -582 | 0 | |
| QNH per +0.1 | +21 | 0 | +21 | 0 | 0 |
| QNH per -0.1 | -252 | 0 | -264 | 0 | 0 |
| GSINOP | -1560 | 0 | -1704 | +1 | 0 |
| ASINOP | NA | NA | NA | NA | 0 |
| ECS OFF | +1258 | 0 | +1241 | +1 | 0 |
| CAI ON | -650 | 0 | -657 | 0 | 0 |
| WCAI ON | -2671 | +1 | -2664 | 0 | 0 |

OBSERVE STRUCTURAL LIMITS

Data may be invalid after 28 days from: 27Jan17

Gulfstream G550
 Engine: BR710
 AFM: GAC-AC-G550-OPS-0001 Rev 40
 Obstacle Criteria: FAA AC 120-91

TAKEOFF PERFORMANCE FLAPS 20

BVY / KBVY
 BEVERLY REGL
 BEVERLY, MA
 Elevation: 107

Configuration:

- ECS ON
- WITH THRUST REV

| Runway | 09 | 27 | Line-Up Dist |
|-----------|------|-------|--------------|
| TORA (FT) | 4755 | 4755 | 0 |
| TODA (FT) | 4755 | 4755 | 0 |
| ASDA (FT) | 4755 | 4755 | 0 |
| SLOPE (%) | 0.41 | -0.41 | |

Runway/Obstacle Weight Limits:

| TEMP (°C) | PWR | 09 | | | | 27 | | | | CLIMB |
|--------------|------|---------------|-----------------|--------|--|---------------|-----------------|--------|--|-------|
| | | LIMIT WT/CODE | V1/VR/V2/VFTO | LVLOFF | | LIMIT WT/CODE | V1/VR/V2/VFTO | LVLOFF | | |
| -15 | 1.56 | 78948 -O | 128/130/135/175 | 1801 | | 79488 -O | 128/130/136/175 | 1762 | | 91000 |
| -10 | 1.56 | 78546 -O | 127/129/135/174 | 1768 | | 79059 -O | 128/130/135/175 | 1730 | | 91000 |
| -5 | 1.56 | 77955 -O | 126/129/134/173 | 1737 | | 78442 -O | 127/129/135/174 | 1700 | | 91000 |
| 0 | 1.56 | 77388 -O | 125/128/134/172 | 1708 | | 77854 -O | 126/129/134/173 | 1670 | | 91000 |
| 5 | 1.56 | 77018 -O | 125/128/133/172 | 1679 | | 77461 -O | 125/128/134/173 | 1642 | | 91000 |
| 10 | 1.56 | 76658 -O | 124/127/133/171 | 1651 | | 77079 -O | 125/128/133/172 | 1615 | | 91000 |
| 15 | 1.56 | 76302 -O | 124/127/133/171 | 1624 | | 76716 -O | 124/127/133/172 | 1607 | | 91000 |
| 20 | 1.56 | 75983 -O | 123/127/132/170 | 1607 | | 76380 -O | 124/127/133/171 | 1607 | | 91000 |
| 25 | 1.56 | 75645 -O | 123/126/132/170 | 1607 | | 76022 -O | 123/127/132/171 | 1607 | | 91000 |
| 30 | 1.56 | 75256 -O | 123/126/132/169 | 1607 | | 75618 -O | 123/126/132/170 | 1607 | | 91000 |

| Corrections | | LBS | FT | LBS | FT | LBS |
|-------------|----------|-------|----|-------|----|-----|
| HWD | per KT | +151 | 0 | +154 | 0 | |
| TWD | per KT | -629 | 0 | -609 | 0 | |
| QNH | per +0.1 | +19 | 0 | +20 | 0 | 0 |
| QNH | per -0.1 | -299 | 0 | -289 | 0 | 0 |
| | GSINOP | -2028 | +1 | -1923 | 0 | 0 |
| | ASINOP | NA | NA | NA | NA | 0 |
| | ECS OFF | +1192 | +1 | +1226 | 0 | 0 |
| | CAI ON | -700 | 0 | -674 | 0 | 0 |
| | WCAI ON | -2972 | 0 | -2785 | 0 | 0 |

OBSERVE STRUCTURAL LIMITS

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