# MIA08MA203

# ATTACHMENT 11

# PILOT'S PREFLIGHT PAPERWORK

# DAUPHIN WEIGHT / BALANCE AND PERFORMANCE TABLES
## SOUTHERN MARYLAND

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AIRCRAFT | N92MD NoHoist | N1 | DATE | 09/27/08 | Sat | SHIFT | LATE |
| PILOT | Mr. Bunker | | | MEDIC | TFC. Lippy | | |
| OTHER PILOTS | | OTHER MEDICS | 1 | | OAPs | | |

| | |
|---|---|
| TODAY'S MAX PRESSURE ALT (Ft): | 500 |
| TODAY'S MAX OUTSIDE AIR TEMP (C): | 25 |
| | 25 C = 77 F |

| | |
|---|---|
| A/C BEW (Lbs): | 6407.30 |
| A/C MOMENT (InxLbs): | 1,030,491.81 |
| MAX GROSS WEIGHT | 9038 |
| M1 WEIGHT: | 8920 |

| MAX HIGE and HOGE WEIGHTS | | |
|---|---|---|
| | WEIGHT | TORQUE |
| MAX HIGE | 9038 | Max T/O Power |
| MAX HOGE | 9038 | Max T/O Power |

| | | |
|---|---|---|
| BEW OVERRIDE | 6407.3 | MANUALLY ENTER BASIC EMPTY WEIGHT IF MASTER LIST HAS NOT BEEN UPDATED |
| MOMENT OVERRIDE | 1030491.81 | MANUALLY ENTER A/C MOMENT IF MASTER LIST HAS NOT BEEN UPDATED |
| RFM W&B LAST UPDATED | 02/20/08 | |

Hoist Removed

* Torque values have a coefficient of determination > 98%. Except for very hot, high, and heavy, most charted and predicted torque values will be within ± 1% of eachother. N3 charted values for 0 kts are estimated--actual chart values begin at 10 kts.

SCENARIO I--INITIAL CONFIGURATION

| CATEGORY | WEIGHT POUNDS | ARM INCHES | MOMENT IN-LBS |
|---|---|---|---|
| AIRCRAFT(BEW) | 6407.30 | | 1030491.81 |
| PILOT | 260 | 77.60 | 20176 |
| COPILOT | 210 | 77.60 | 16296 |
| H S A -COPILOT REAR SEAT | 0 | 77.20 | 0 |
| AFT FACING MEDIC SEAT | 0 | 95.30 | 0 |
| CENTER FWD FACING MEDIC | | 174.00 | 0 |
| RH FWD FACING SEAT | | 179.00 | 0 |
| PATIENT 1 | 0 | 137.80 | 0 |
| PATIENT 2 | 0 | 137.80 | 0 |
| HOIST OPERATOR | 0 | 143.30 | 0 |
| HOIST HOOK WEIGHT | 0 | 143.30 | 0 |
| BAGGAGE COMPT. (112 Lbs) | 112 | 208.30 | 23329.6 |
| Medical Equip in H S.A. (122 Lbs) | 122 | 137.8 | 16811.6 |
| Cockpit Equipment (32 Lbs) | 32 | 77.60 | 2483.2 |
| Misc. Equipment | 0 | 0.00 | 0 |
| TOTAL | 7143 | 155.33 | 1109588 |

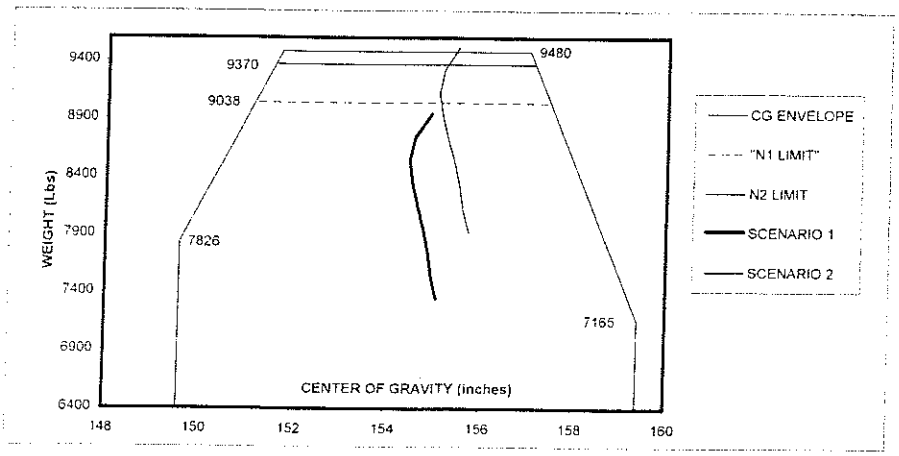
| FUEL WEIGHT GROUP 1 | FUEL WEIGHT GROUP 2 | GROSS WEIGHT | WEIGHT REPORT | CG REPORT | USEFUL LOAD | * N1 HOGE TORQUE | * N1 HIGE TORQUE |
|---|---|---|---|---|---|---|---|
| 900 | 900 | 8943 | WEIGHT OK | CG OK | 95 | 96 | 85 |
| 800 | 800 | 8743 | WEIGHT OK | CG OK | 295 | 93 | 82 |
| 700 | 700 | 8543 | WEIGHT OK | CG OK | 495 | 91 | 80 |
| 600 | 600 | 8343 | WEIGHT OK | CG OK | 695 | 88 | 77 |
| 500 | 500 | 8143 | WEIGHT OK | CG OK | 895 | 86 | 75 |
| 400 | 400 | 7943 | WEIGHT OK | CG OK | 1095 | 83 | 72 |
| 300 | 300 | 7743 | WEIGHT OK | CG OK | 1295 | 81 | 70 |
| 200 | 200 | 7543 | WEIGHT OK | CG OK | 1495 | 78 | 67 |
| 100 | 100 | 7343 | WEIGHT OK | CG OK | 1695 | 76 | 65 |

SCENARIO 2--

| CATEGORY | WEIGHT POUNDS | ARM INCHES | MOMENT IN-LBS |
|---|---|---|---|
| AIRCRAFT(BEW) | 6407.30 | | 1030491.81 |
| PILOT | 260 | 77.60 | 20176 |
| COPILOT | 0 | 77.60 | 0 |
| H S A.-COPILOT REAR SEAT | 0 | 77.20 | 0 |
| AFT FACING MEDIC SEAT | 145 | 95.30 | 13818.5 |
| CENTER FWD FACING MEDIC | 240 | 174.00 | 41760 |
| RH FWD FACING SEAT | 0 | 179.00 | 0 |
| PATIENT 1 | 200 | 137.80 | 27560 |
| PATIENT 2 | 200 | 137.80 | 27560 |
| HOIST OPERATOR | 0 | 143.30 | 0 |
| HOIST HOOK WEIGHT | 0 | 143.30 | 0 |
| BAGGAGE COMPT. (112 Lbs) | 112 | 208.30 | 23329.6 |
| Medical Equip in H S.A. (122 Lbs) | 122 | 137.8 | 16811.6 |
| Cockpit Equipment (32 Lbs) | 32 | 77.60 | 2483.2 |
| Misc. Equipment | 0 | | 0 |
| TOTAL | 7718 | 155.99 | 1203991 |

| FUEL WEIGHT GROUP 1 | FUEL WEIGHT GROUP 2 | GROSS WEIGHT | WEIGHT REPORT | CG REPORT | USEFUL LOAD | * N1 HOGE TORQUE | * N1 HIGE TORQUE |
|---|---|---|---|---|---|---|---|
| 900 | 900 | 9518 | OVER GROSS | CG OK | -480 | 103 | 92 |
| 800 | 800 | 9318 | OVER GROSS | CG OK | -280 | 100 | 89 |
| 700 | 700 | 9118 | OVER GROSS | CG OK | -80 | 98 | 87 |
| 600 | 600 | 8918 | WEIGHT OK | CG OK | 120 | 95 | 84 |
| 500 | 500 | 8718 | WEIGHT OK | CG OK | 320 | 93 | 82 |
| 400 | 400 | 8518 | WEIGHT OK | CG OK | 520 | 90 | 79 |
| 300 | 300 | 8318 | WEIGHT OK | CG OK | 720 | 88 | 77 |
| 200 | 200 | 8118 | WEIGHT OK | CG OK | 920 | 85 | 74 |
| 100 | 100 | 7918 | WEIGHT OK | CG OK | 1120 | 83 | 72 |

***THE A/C IN SCENERO 1, BUT WITH ONLY A 260 LB. PILOT ON BOARD WILL BE WITHIN CG LIMITS AT ALL FUEL WEIGHTS.***




| TIMES for Baltimore, MD. 2008 (Add 1 hour for Daylight Savings Time) | | |
|---|---|---|
| CIVIL TWILIGHT TIMES: | TODAY 9/27 | TOMORROW 9/28 |
| BEGIN MORNING C | 0532 | 0533 |
| END EVENING C.T. | 1821 | 1820 |
| SUNRISE | 0559 | 0600 |
| SUNSET | 1755 | 1753 |
| MOONRISE | 0408 | 0515 |
| MOONSET | 1657 | 1720 |
| ILLUMINATION AT MIDNIGHT | 0.05 | 0.01 |

## DTC DUAT Transaction 2708818 09/27/2008 2251Z

**TREND WEATHER OBSERVATIONS**

METAR KADW 272155Z 09005KT 7SM FEW010 21/20 A2990 RMK AO2A SLP127
METAR KADW 272055Z 11005KT 7SM SCT065 21/20 A2989 RMK AO2A SLP125 58017
METAR KADW 271955Z 13008KT 7SM OVC020 22/20 A2992 RMK AO2A SLP134
METAR KBWI 272154Z 09006KT 10SM FEW010 SCT033 SCT075 BKN130 BKN250 22/20 A2990 RMK AO2 RAE06 SLP124 P0000 T02170200
SPECI KBWI 272137Z 08006KT 10SM FEW008 BKN033 BKN075 BKN130 22/21 A2990 RMK AO2 RAE06 P0000
SPECI KBWI 272121Z 10008KT 10SM SCT006 BKN010 OVC030 22/21 A2992 RMK AO2 RAE06 P0000
SPECI KBWI 272059Z 04007KT 3SM R10/5500VP6000FT -RA BR BKN006 OVC010 21/20 A2992 RMK AO2 P0000
METAR KBWI 272054Z 04006KT 1SM R10/4500VP6000FT -RA BR BKN006 OVC010 21/20 A2992 RMK AO2 SLP129 RAB27DZB07E19 P0012 60054 T02060200 57013
SPECI KBWI 272035Z COR 03006KT 1 1/2SM R10/4500VP6000FT +RA BR BKN006 BKN010 OVC016 21/20 A2992 RMK AO2 RAB27DZB07E19 P0003
SPECI KBWI 272035Z 03006KT 1 1/2SM R10/4500VP6000FT +RA BR BKN006 BKN010 OVC016 21/20 A2992 RMK AO2 DZB07E19 P0003
SPECI KBWI 272007Z 04003KT 4SM DZ BR SCT006 BKN010 OVC016 21/21 A2992 RMK AO2 RAE07DZB07 P0000
METAR KBWI 271954Z 07004KT 2SM R10/6000VP6000FT -RA BR SCT006 BKN010 OVC016 21/20 A2993 RMK AO2 SLP134 P0030 T02110200
METAR KMTN 272155Z 00000KT 10SM BKN030 23/22 A2992
METAR KMTN 272055Z 00000KT 7SM -RA SCT017 BKN022 OVC034 23/23 A2994
METAR KMTN 271950Z 00000KT 2 1/2SM -RA BKN008 BKN022 OVC034 23/23 A2995
METAR KILG 272151Z AUTO 09005KT 10SM FEW080 24/20 A2995 RMK AO2 SLP140 T02390200 TSNO
METAR KILG 272051Z AUTO 09005KT 10SM SCT024 BKN090 24/20 A2995 RMK AO2 SLP143 60000 T02390200 58006 TSNO
METAR KILG 271951Z AUTO 09006KT 10SM FEW021 BKN045 OVC055 23/21 A2996 RMK AO2 RAB30E45 SLP144 P0000 T02330206 TSNO
SPECI KMGW 272214Z 00000KT 10SM -RA SCT021 SCT040 BKN050 OVC150 23/17 A2994 RMK AO2 P0001
SPECI KMGW 272207Z 00000KT 10SM -RA BKN021 BKN047 BKN055 OVC150 23/17 A2994 RMK AO2 P0001
METAR KMGW 272153Z 00000KT 10SM -RA FEW028 SCT047 OVC150 23/17 A2993 RMK AO2 RAB48 SLP128 P0000 T02330172
METAR KMGW 272053Z VRB05KT 10SM SCT055 OVC150 24/16 A2992 RMK AO2 SLP125 T02440156 56011
METAR KMGW 271953Z 05003KT 10SM BKN050 24/16 A2992 RMK AO2 SLP124 T02440161
METAR KDCA 272152Z 11005KT 10SM FEW014 SCT060 BKN250 24/19 A2990 RMK AO2 SLP124 CB DSNT N MOV NW CB DSNT S-SW MOV N TCU DSNT NE AND DSNT SE T02390194
SPECI KDCA 272104Z 08005KT 10SM SCT014TCU BKN040 BKN060 BKN250 26/21 A2990 RMK AO2 TCU N
METAR KDCA 272052Z 10010KT 10SM BKN014 BKN043 BKN060 25/21 A2990 RMK AO2 RAB1956E16 SLP126 CB DSNT NW MOV NW VCSH N-E P0000 60000 T02500206 58012
SPECI KDCA 272045Z 10005KT 10SM BKN014 BKN041 BKN060 25/21 A2991 RMK AO2 RAB1956E16 VCSH N-E P0000
METAR KDCA 271952Z 11011KT 10SM SCT025 BKN034 OVC060 24/20 A2992 RMK AO2 RAB12E45 SLP130 VCSH N-SE AND W BINOVC P0000 T02440200
SPECI KIAD 272159Z 07009KT 10SM BKN015 BKN070 BKN130 23/20 A2990 RMK

AO2 BKN015 V SCT
METAR KIAD 272152Z 07009KT 10SM SCT015 BKN070 BKN130 23/20 A2990 RMK AO2 SLP122 SCT V BKN T02330200
METAR KIAD 272052Z 07010KT 10SM SCT017 BKN070 BKN130 24/20 A2990 RMK AO2 SLP121 T02440200 56013
METAR KIAD 271952Z 10009KT 10SM FEW020 SCT080 BKN130 25/19 A2991 RMK AO2 SLP124 T02500194
METAR KNHK 272152Z 08008KT 6SM HZ SCT009 BKN013 BKN030 22/19 A2988 RMK AO2 SLP117 T02220194 $
METAR KNHK 272052Z 10008KT 6SM HZ BKN011 BKN050 22/19 A2989 RMK AO2 SLP122 T02220194 58017 $
METAR KNHK 271952Z 10007KT 7SM FEW011 SCT050 BKN060 23/19 A2991 RMK AO2 SLP129 T02280189 $
KMRB TW NO CURRENT DATA. OBSERVATIONS MAY BE UP TO 24 HOURS OLD
METAR KMRB 270953Z AUTO 03005KT 8SM -RA OVC004 17/17 A3000 RMK AO2 RAB48 SLP155 P0000 T01720172 TSNO
METAR KMRB 270853Z AUTO 02005KT 9SM OVC004 17/17 A2999 RMK AO2 SLP152 T01720172 55012 TSNO
SPECI KMRB 270815Z AUTO 01007KT 9SM BKN004 OVC012 17/17 A2998 RMK AO2 TSNO
METAR KMRB 270753Z AUTO 36007KT 7SM SCT004 OVC014 17/17 A2999 RMK AO2 SLP151 T01670167 TSNO
SPECI KMRB 270746Z AUTO 01006KT 8SM SCT004 OVC014 17/17 A2999 RMK AO2 TSNO
SPECI KWAL 272234Z AUTO 09010KT 5SM -RA BR FEW005 BKN042 OVC060 21/21 A2990 RMK AO2 RAB2156 P0001 TSNO
SPECI KWAL 272201Z AUTO 10007KT 9SM -RA FEW003 BKN013 OVC055 21/21 A2991 RMK AO2 RAB2156 P0000 TSNO
METAR KWAL 272154Z AUTO 11005KT 10SM SCT009 BKN013 OVC055 21/21 A2991 RMK AO2 RAE21B37E53 SLP124 P0001 T02110211 TSNO
SPECI KWAL 272145Z AUTO 12005KT 6SM -RA BR FEW004 BKN009 OVC013 21/21 A2991 RMK AO2 RAE21B37 CIG 008V012 P0001 TSNO
SPECI KWAL 272137Z AUTO 12004KT 6SM -RA BR FEW004 OVC011 21/21 A2991 RMK AO2 RAE21B37 CIG 008V013 P0001 TSNO
SPECI KWAL 272120Z AUTO 11006KT 4SM -RA BR FEW004 BKN009 OVC050 21/21 A2991 RMK AO2 P0001 TSNO
METAR KWAL 272054Z AUTO 06004KT 2 1/2SM -RA BR FEW004 BKN011 OVC017 21/21 A2991 RMK AO2 SLP127 P0003 60065 T02110211 56010 TSNO
SPECI KWAL 272051Z AUTO 00000KT 2 1/2SM -RA BR FEW004 BKN011 OVC017 21/21 A2992 RMK AO2 CIG 009V013 P0003 TSNO
SPECI KWAL 272039Z AUTO 05003KT 3SM -RA BR FEW004 BKN015 OVC021 21/21 A2992 RMK AO2 P0002 TSNO
SPECI KWAL 272030Z AUTO 06004KT 2SM -RA BR FEW003 OVC020 21/21 A2992 RMK AO2 P0002 TSNO
SPECI KWAL 272019Z AUTO 08005KT 3SM -RA BR FEW003 SCT010 OVC022 21/20 A2992 RMK AO2 P0002 TSNO
SPECI KWAL 272014Z AUTO 08005KT 2 1/2SM -RA BR FEW003 BKN010 OVC022 21/20 A2992 RMK AO2 P0002 TSNO
METAR KWAL 271954Z AUTO 00000KT 1 1/4SM RA BR SCT005 OVC012 21/21 A2993 RMK AO2 SLP133 P0010 T02110206 TSNO
METAR KDOV 272155Z AUTO 08005KT 10SM OVC032 21/21 A2993 RMK AO2 RAE2057 SLP137 P0001 T02100210 $
SPECI KDOV 272150Z AUTO 07006KT 10SM OVC030 21/21 A2993 RMK AO2 RAE2057 SLP138 $
SPECI KDOV 272141Z AUTO 08008KT 10SM BKN029 21/21 A2993 RMK AO2 RAE2057 CIG 023V049 SLP138 $
METAR KDOV 272055Z 05005KT 5SM -RA BR FEW003 BKN014 BKN025 21/21 A2993 RMK AO2A SLP136 P0009 60027 T02110211 58009 $
SPECI KDOV 272039Z 07005KT 4SM RA BR FEW005 BKN014 BKN020 BKN035 21/21

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     A2993 RMK AO2A SLP138 $
SPECI KDOV 272031Z 06004KT 5SM -RA BR FEW007 BKN014 BKN020 BKN035 22/22
     A2993 RMK AO2A SLP137 $
SPECI KDOV 271958Z 04003KT 6SM -RA BR FEW003 SCT006 OVC014 21/21 A2994
     RMK AO2A CIG 003 RWY19 SLP141 $
METAR KDOV 271955Z 03003KT 6SM -RA BR BKN004 OVC008 21/21 A2995 RMK
     AO2A CIG 003 RWY19 SLP142 P0008 T02120212 $
SPECI KDOV 271951Z 00000KT 5SM -RA BR OVC004 21/21 A2995 RMK AO2A SLP144
     $
```

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**PILOT REPORTS**

```
ADW UA NO CURRENT DATA
BWI UA NO CURRENT DATA
MTN UA NO CURRENT DATA
ILG UA NO CURRENT DATA
MGW UA NO CURRENT DATA
DCA UA NO CURRENT DATA
IAD UA /OV IAD270003 /TM 2225 /FL013 /TP CRJ2 /SK BKN013
NHK UA NO CURRENT DATA
MRB UA NO CURRENT DATA
WAL UA NO CURRENT DATA
DOV UA NO CURRENT DATA
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**RADAR REPORTS**

```
LWX 2235 AREA 2TRWXX 300/61 176/75 26W  C1710
        AREA 2RW++ 320/115 134/100 219W  C1710
        AREA 2RW+ 64/116 125/113 33W  C1710
        AUTO
        ^HM1 IL32 IP1 JK121 JP1 KI1 KK133 KQ1 LI34 LL23 LP32 MJ6523 MQ1
        NI445623
        OH14425554 PH1222 PN254
YXU SD NO CURRENT DATA
DOX 2235 CELL TRWXX 266/126 D3
        CELL TRWX 246/99 D3
        AREA 3RW++ 358/54 173/111 72W  C1816
        AREA 2RW++ 329/137 224/143 87W MT 430 262/124  C1816
        AUTO
        ^JJ1 KI22 KM1 LI32 LL14 MJ4 MM23 NI23 NM33 OI2 ON2 OQ2 PH262 PN2122
        QI435 QQ2
        RL44
AKQ 2235 CELL TRWXX 332/116 D4
        AREA 4TRWXX 341/71 13/27 15W
        CELL TRWX 257/113 D3
        CELL TRWX 96/103 D4
        AREA 3RW++ 30/116 100/118 42W  C2901
        AREA 4RW++ 271/111 238/120 22W  C2901
        AREA 2RW++ 312/132 73/56 116W  C2901
        AREA 10RW++ 163/64 172/76 14W  C2901
        AUTO
        ^HM22 IN2 JH362 JO211 KH24453 KQ54 LH2 LK256 LQ53 MM322 NM1 PI2 PO4 QI5
        RJ2
DIX 2235 PPINA AUTO
CCX 2235 CELL TRWX 255/68 D3
        CELL TRWX 191/91 D11
```

```
        AREA 3RW++ 277/112 127/89 196W MT 360 190/82  C1812
        AUTO
        ^KM11 KP1 LL1112 LQ1 MJ2 MM1 MP32 NJ32 NM11232 OI435 OM21123 PI234
        PM44123
        QJ2221552 RK12223
YYZ SD NO CURRENT DATA
PBZ 2235 CELL TRWXX 240/68 D7
        LN 10TRWX 337/14 132/7 3W
        CELL TRWX 151/99 D3
        AREA 5RW++ 69/74 195/129 156W
        AUTO
        ^HM1 KM22 LL524 LP3 ML2543341 NL4232242 OK64211543 PK4314232 QL21421
        RM12
FCX 2235 CELL TRWXX 127/55 D7
        AREA 3RW++ 17/118 213/111 213W
        AUTO
        ^HK11 HN1 II221111 JI2221 KH124222 LH233 LL222 MH23332123 NH23322 NO6
        OI232
        ON332 PI222 PO22 QI1 QK11 QP2
BGM 2235 AREA 4R 240/94 185/105 59W
        AUTO
        ^PL1 QK11211 RO1
OKX 2235 AREA 5RW++ 30/127 167/127 142W  C1733
        AUTO
        ^HL1223 IM1244 JM12242 KM122442 LL1 LN22244 MM3 MO2234 NO1234 OQ34 PQ34
        QP12
WUL SD NO CURRENT DATA
ENX 2235 AREA 4R 44/125 134/132 58W
        AUTO
        ^HN11 IN112 JP11 KQ11 LQ11 MQ11 NR1
RLX 2235 CELL TRWXX 5/37 D3
        CELL TRWXX 258/41 D4
        CELL TRWX 4/103 D3
        AREA 3RW++ 28/111 189/121 168W
        AUTO
        ^HL5221 IL43141 JM2241 KL262211 LL4444111 ML6223 MQ1 NL5332 OL2232
        PK22122 QN1
        RN1
CLE 2235 AREA 4RW++ 92/109 171/125 62W MT 330 110/119  C3014
        AUTO
        ^KQ1 LQ11 MP231 NP221 OP31 PO421 QO22
ILN 2235 CELL TRWX 71/110 D3
        AREA 3RW++ 74/118 147/118 45W MT 390 248/34
        AREA 5RW+ 39/24 244/38 43W MT 390 248/34
        AUTO
        ^JQ5 KQ32 LR2 ML13 MQ44 NL132 NQ34 OQ4 PQ2
RAX 2235 CELL TRWXX 321/65 D4
        CELL TRWX 244/51 D3  C2410
        AREA 9RW++ 79/93 88/83 14W
        AREA 3RW++ 315/117 194/23 85W
        AUTO
        ^JI1 JP2 KJ2 KP4 LJ6 MI34424 NJ2414 OK524
```

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**TERMINAL FORECASTS**

```
TAF KADW 272217 12006KT 9999 SCT020 QNH2985INS
     BECMG 0506 VRB06KT 4800 BR BKN005 OVC010 QNH3000INS
     BECMG 1213 18009KT 9999 NSW SCT020 BKN030 QNH3005INS T23/16Z
```

```
      T17/10Z AMD 2232
TAF AMD KBWI 271949Z 272018 08008KT 3SM -SHRA BR SCT009 BKN025
      TEMPO 2021 1SM SHRA BR SCT006 BKN020
      FM0200 05005KT 5SM -SHRA BR SCT004 OVC008
      FM0600 VRB05KT 2SM BR OVC002
      FM1200 VRB05KT 3SM BR BKN008 OVC012
      FM1400 27005KT P6SM SCT010 BKN020
TAF AMD KMTN 271745Z 271818 08008KT 5SM -SHRA BR OVC010 TEMPO 1820
      VRB03KT 1/2SM +RA OVC004
      FM0200 05005KT 5SM -SHRA BR SCT004 OVC008
      FM0600 VRB05KT 2SM BR OVC002
      FM1200 VRB05KT 3SM BR BKN008 OVC012
      FM1400 27005KT P6SM SCT010 BKN020
TAF AMD KILG 272055Z 272118 09006KT P6SM SCT020 BKN040 TEMPO 2223
      5SM -SHRA BR SCT008 OVC012
      FM2300 10006KT 6SM BR VCSH BKN015 OVC030
      FM0300 VRB03KT 4SM BR VCSH BKN005 OVC010 TEMPO 0812 2SM
      -SHRA BR OVC005
      FM1200 01004KT 2SM BR BKN007 OVC012
      FM1500 36005KT 5SM BR OVC020
TAF AMD KMGW 272213Z 272218 VRB03KT P6SM OVC025 TEMPO 2224 5SM
      -SHRA BR OVC035
      FM0000 VRB03KT P6SM SCT030 BKN100 TEMPO 0004 4SM -SHRA
      OVC030CB
      FM0400 VRB03KT 4SM BR OVC025
      FM0600 VRB03KT 2SM BR OVC007
      FM1500 31006KT P6SM OVC020
TAF KDCA 271730Z 271818 10008KT P6SM -SHRA SCT015 BKN025
      FM0200 15005KT 5SM -SHRA BR SCT004 OVC008
      FM0800 VRB05KT 2SM BR OVC005
      FM1200 35005KT 3SM BR BKN008 OVC012
      FM1400 34008KT P6SM SCT010 BKN025
TAF KIAD 271730Z 271818 10005KT P6SM VCSH BKN035
      FM2000 10005KT P6SM -SHRA SCT015 BKN025
      FM0300 VRB03KT 5SM -SHRA BR SCT004 OVC008
      FM0700 VRB03KT 2SM BR OVC002
      FM1200 32003KT 3SM BR BKN008 OVC012
      FM1400 32005KT P6SM SCT010 BKN025
TAF KNHK 272121 18006KT 6000 BR VCSH SCT005 BKN015 OVC030 QNH2982INS
      TEMPO 2204 0800 SHRA FG BKN002 BKN008 OVC015
      TEMPO 0409 1200 BR BKN005 BKN010 OVC020
      BECMG 1012 36004KT 8000 HZ SCT010 BKN018 OVC050 QNH2980INS
      TEMPO 1016 6000 BR
      BECMG 1820 FEW010 SCT030 BKN100 QNH2978INS T17/08Z T25/17Z
TAF KMRB 271730Z 271818 05005KT P6SM BKN030
      FM2200 08005KT P6SM -SHRA SCT015 BKN025
      FM0100 VRB03KT 1SM +SHRA BR SCT004 OVC008
      FM0300 VRB03KT 2SM BR OVC002
      FM1300 34005KT 3SM BR BKN008 OVC012
      FM1500 32008KT P6SM SCT010 BKN025 NIL AMD
TAF KDOV 272116 10009KT 9000 -RA OVC030 QNH2992INS
      TEMPO 2102 OVC010
      BECMG 0405 13009KT 6000 BR OVC005 QNH2996INS
      BECMG 1415 13009KT 6000 -SHRA BKN015 BKN030 BKN250 QNH2997INS
      T24/16Z T18/10Z AMD 2154 AUTOMATED SENSOR METWATCH 2721 TIL
      2904
```

WINDS ALOFT FORECASTS

DATA BASED ON 271200Z
VALID 281200Z FOR USE 0600-1700Z. TEMPS NEG ABV 24000

| FT | 3000 | 6000 | 9000 | 12000 | 18000 | 24000 | 30000 | 34000 | 39000 |
|---|---|---|---|---|---|---|---|---|---|
| EMI | 2007 | 2110+11 | 2113+05 | 2114+00 | 2220-10 | 2418-21 | 262436 | 252546 | 232357 |
| RIC | 2509 | 2212+10 | 2218+05 | 2224+00 | 2425-09 | 2427-21 | 262336 | 241846 | 243155 |
| ACY | 9900 | 2212+11 | 2511+06 | 2417+01 | 2233-10 | 2224-22 | 222038 | 231947 | 223053 |
| AVP | 3405 | 9900+11 | 1905+05 | 2318+00 | 2318-11 | 2217-22 | 222137 | 232347 | 232056 |
| AGC | 3510 | 3608+10 | 3410+05 | 3414+00 | 3316-11 | 3115-23 | 272239 | 242748 | 233055 |
| EKN | | 3411+10 | 3414+06 | 3315+01 | 3316-11 | 3116-22 | 262438 | 243248 | 223156 |
| ORF | 2510 | 2414+12 | 2319+06 | 2327+02 | 2332-09 | 2428-21 | 262336 | 252446 | 244853 |
| PSB | | 0306+10 | 9900+05 | 3005+00 | 2410-11 | 2510-22 | 242138 | 242847 | 223356 |

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**Last modified: September 27, 2004**