

It's a beautiful, sunny August 22, 2004 in Elkins, WV. You reckon it's too nice to sit inside all day, so you decide to head out on a short cross country in your 1988 Piper Arrow. You call up a buddy of yours, Bowdy Peach, to see if he's interested in a trip. He agrees, but only if you stop in Clarksburg, WV for a light dinner. You agree and sit down to start planning your flight. Your route of flight will be from Elkins (EKN) direct to Harrison/Marion Regional (CKB) then straight on over to Boggs field (14P) for some soft-field practice before heading to Charleston (CRW) to pick up a friend before heading home for the night.

- ◆ FAA Class III Medical certificate issued on 07/28/03
- ◆ Private Pilot License issued 02/29/04
- ◆ Complex endorsement 12/11/03

May 23, 2004	1.8 hrs.	day	3 landings	sightseeing
July 4, 2004	3.0 hrs.	night	1 landing	watched fireworks
August 15, 2004	1.2 hrs.	night	2 landings	sightseeing

- ◆ Annual Inspection completed 05/20/04
- ◆ Transponder inspected 05/20/04
- ◆ ELT inspected 05/20/04, failed inspection. ELT removed for maintenance in accordance with FAR 91.205 and placard "ELT not installed" placed on instrument panel per FAR 91.207 (e)
- ◆ BEW is 1,846.3 lbs. with a CG of 85.41"
- ◆ You weigh 164 lbs and Bowdy weighs 173 pounds
- ◆ You keep 45 lbs. of miscellaneous aircraft supplies in the baggage area

### *Performance Notes*

- Use 3,000' winds for all climbs and descents and for all of leg #1, interpolate for cruise altitude (if none reported, assume calm wind)
- For climb, use "Gear up climb performance" chart. Climb at 90 KIAS and 15.7 gph. Use departure airport pressure altitude and temperature to compute rate of climb and TAS.
- For cruise, see appropriate charts
- For descent, use cruise TAS, 650 fpm descent, and 5.2 gph
- Use EKN winds aloft for legs 1&2. Use CRW for legs 3&4.
- Use CRW METAR at Boggs field
- Depart with full fuel tanks

\*\*\*\*\* FA Synopsis and VFR Clouds/Weather \*\*\*\*\*  
 BOSQ FA 221745  
 SYNOPSIS AND VFR CLDS/WX  
 SYNOPSIS VALID UNTIL 231200  
 CLDS/WX VALID UNTIL 230600...OTLK VALID 230600-231200  
 ME NH VT MA RI CT NY LO NJ PA OH LE WV MD DC DE VA AND CSTL WTRS

.  
SEE AIRMET SIERRA FOR IFR CONDS AND MTN OBSCN.  
TS IMPLY SEV OR GTR TURB SEV ICE LLWS AND IFR CONDS.  
NON MSL HGTS DENOTED BY AGL OR CIG.

.  
SYNOPSIS...HIGH PRES OVR SERN PA. BY 12Z...HIGH PRES WILL BE OVR  
SERN VA. CDFNT WILL CURVE FROM A LOW OVR QUE ACRS SWRN QUE AND  
EXTRM SERN ONT INTO LWR MI AND NRN IL.

.  
PA NJ  
SKC. OCNL SCT050. AFT 00Z...SKC. OCNL SCT CI. OTLK...VFR BECMG  
0912 MVFR BR.

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OH LE  
SCT050. AFT 00Z...SKC. OCNL SCT CI. OTLK...VFR.

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WV  
SCT090-110 SCT CI. AFT 23Z...SKC. BECMG 0306 OCNL VIS 3-5SM BR.  
OTLK...MVFR BR BECMG 0609 IFR CIGS FG/BR.

.  
VA MD DC DE  
SWRN VA...BKN030. TOPS 080-100. ISOL -SHRA. BECMG 2302 SCT-BKN  
030-050. TOPS 080. BECMG 0205 SKC. OCNL SCT CI. OTLK...VFR  
BECMG 0912 MVFR BR.  
REST OF VA/WRN AND CNTRL MD/DC...SCT-BKN030-050. TOPS 060-080.  
BECMG 2302 SKC. OCNL SCT030-050. OTLK...VFR BECMG 0609 IFR  
CIGS FG/BR.  
ERN MD/DE...SKC. OCNL SCT050. AFT 00Z...SKC. OCNL SCT CI.  
OTLK...VFR BECMG 0912 MVFR BR.

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CSTL WTRS  
NEW ENG CSTL WTRS...SKC. OCNL SCT CI. OTLK...VFR.  
MID ATLC CSTL WTRS...SCT-BKN030-050. TOPS 060-080. OTLK...VFR.

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\*\*\*\*\* AIRMETs \*\*\*\*\*

BOSS WA 221345  
AIRMET SIERRA UPDT 4 FOR IFR AND MTN OBSCN VALID UNTIL 222000

.  
AIRMET IFR...PA WV MD  
FROM 50S JHW TO 60E SLT TO 30NE PSK TO 40WSW BKW TO 30SW HNN  
TO 50S JHW  
OCNL CIG BLW 010/VIS BLW 3SM CLDS/BR/FG. CONDS ENDG 14Z-17Z.

.  
AIRMET MTN OBSCN...PA WV VA MD NC SC GA  
FROM SLT TO 40W EMI TO SPA TO ATL TO GQO TO HMV TO HNN TO SLT  
MTNS OCNL OBSC CLDS/FG/BR. CONDS ENDG 15Z-18Z.

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BOST WA 221345  
AIRMET TANGO UPDT 2 FOR TURB VALID UNTIL 222000

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NO SGFNT TURB EXPCD DURG PD.

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BOSZ WA 221345  
AIRMET ZULU UPDT 2 FOR ICE AND FRZLVL VALID UNTIL 222000

NONE EXPCD DURG PD.

.  
FRZLVL...120-140...N OF YYZ-60N SYR-ENE LN  
...140-150...S OF YYZ-60N SYR-ENE LN

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\*\*\*\*\* Surface Observations \*\*\*\*\*

METAR KMGW 221853Z 25006KT 10SM FEW050 23/13 A3009 RMK AO2 SLP184  
HAZY T02280128  
METAR KCKB 221853Z 28006KT 10SM CLR 24/13 A3008 RMK AO2 SLP174  
T02440133  
METAR KCRW 221854Z VRB04KT 10SM FEW030 SCT120 26/16 A3006 RMK AO2  
SLP173 T02560161 \$  
METAR KEKN 221851Z VRB05KT 10SM CLR 23/15 A3011 RMK AO2 SLP191  
T02330150

\*\*\*\*\* Pilot Reports \*\*\*\*\*

current report not available

\*\*\*\*\* Radar Summaries \*\*\*\*\*

CCX 1835 PPINE AUTO

PBZ 1835 PPINE AUTO

CLE 1835 PPINE AUTO

ILN 1835 PPINE AUTO

RLX 1835 PPINE AUTO

FCX 1835 PPINE AUTO

JKL 1835 PPINE AUTO

\*\*\*\*\* Terminal Forecasts \*\*\*\*\*

TAF KMGW 221720Z 221818 24006KT P6SM SCT035  
FM0000 21003KT P6SM SKC  
FM0900 00000KT 2SM BR SKC  
FM1400 23006KT P6SM SCT035  
TAF KCKB 221737Z 221818 31005KT P6SM FEW050  
FM2300 VRB03KT P6SM SKC  
FM0500 00000KT 5SM BR SKC  
FM0800 00000KT 2SM BR SCT002  
FM1000 00000KT 1/4SM FG VV001  
FM1300 00000KT 3SM BR BKN002  
FM1500 VRB03KT P6SM SKC  
TAF KCRW 221737Z 221818 01005KT P6SM SCT045  
FM2300 VRB03KT P6SM SKC  
FM0400 00000KT 5SM BR SKC  
FM0600 00000KT 2SM BR SCT001  
FM0800 00000KT 1/4SM FG VV001  
FM1300 00000KT 1SM BR BKN002  
FM1500 VRB03KT 4SM BR SCT002  
FM1600 VRB03KT P6SM SKC

TAF KEKN 221737Z 221818 VRB03KT P6SM SCT050  
FM2300 00000KT P6SM SKC  
FM0200 00000KT 4SM BR SKC  
FM0600 00000KT 2SM BR SKC  
FM0800 00000KT 1/4SM FG VV001  
FM1300 00000KT 1SM BR BKN002  
FM1500 VRB03KT 4SM BR SCT003  
FM1600 VRB03KT P6SM SKC

\*\*\*\*\* FD Winds Aloft Forecast \*\*\*\*\*

DATA BASED ON 221200Z

VALID 221800Z FOR USE 1700-2100Z. TEMPS NEG ABV 24000

FT	3000	6000	9000	12000	18000	24000	30000	34000	39000
AGC	2508	2613+11	2813+09	2714+05	2718-09	2723-23	292940	293549	284157
CMH	2006	2721+11	2819+09	2719+04	2721-09	2723-22	292539	293048	273757
CRW	1805	3307+13	2709+09	2811+05	2819-08	2827-21	274237	265545	265956
ROA	1406	9900+11	3005+10	3006+05	2822-08	2829-20	274536	266144	266656
EKN		2710+11	2910+10	2911+05	2816-09	2824-22	284638	276147	266357
TRI		9900+14	9900+09	9900+05	2818-07	2726-19	264734	255544	265655

DATA BASED ON 221200Z

VALID 230000Z FOR USE 2100-0600Z. TEMPS NEG ABV 24000

FT	3000	6000	9000	12000	18000	24000	30000	34000	39000
AGC	2509	2917+13	2818+09	2819+04	2721-09	2824-21	292438	292848	274257
CMH	2214	2518+14	2819+08	2916+03	2919-09	2921-21	292138	282848	273757
CRW	1905	2811+14	3017+09	2614+04	2917-08	2723-20	273336	274646	265756
ROA	9900	3006+12	2710+10	2710+05	2914-08	2824-20	274135	265244	256056
EKN		2710+13	2915+09	2815+05	2816-08	2823-21	273337	275146	266456
TRI		2708+15	2907+08	2606+06	2711-07	2620-20	273335	264344	255055

\*\*\*\*\* NOTAMS \*\*\*\*\*

!EKN 05/106 4G7 4 CLSD NGT LDG  
!EKN 08/055 6W0 TOWER 1744 (300 AGL) 7.5 NNW LGTS OTS (ASR 1035496)  
TIL 0409090556  
!EKN 08/054 6W0 TOWER 1744 (300 AGL) 7.5 LGTS OTS (ASR 1035496)  
TIL 0409060556  
!CKB 08/002 CKB STACK (1000 AGL) 8N LGTS OTS TIL 0408240540  
!EKN 08/028 49I TOWER 1618 (210 AGL) 13 NNW LGTS OTS (ASR 1031387)  
TIL 0408271945  
!EKN 05/104 49I AP CLSD  
!EKN 08/046 14P TOWER 1615 (417 AGL) 11 ESE LGTS OTS (ASR 1041365)  
TIL 0409032344  
!EKN 08/024 14P TOWER 1467 (312 AGL) 6.8W LGTS OTS (ASR 1057945)  
TIL 0408260839  
!EKN 08/051 I18 TOWER 1357 (325 AGL) 15 ENE LGTS OTS (ASR 1208256)  
TIL 0409051752  
!CRW 08/007 CRW TOWER 1054 (199 AGL) 1.1 N LGTS OTS (ASR 1055315)  
TIL 0408302321  
!EKN 08/042 SXL TOWER 2264 (271 AGL) 4.6 SSW LGTS OTS (ASR 1223598)  
TIL 0409031107  
!EKN 08/053 48I TOWER 1864 (384 AGL) 17 W LGTS OTS (ASR 1035126) TIL  
0409060202  
!EKN 08/045 48I TOWER 1500 (311 AGL) 19 W LGTS OTS (ASR 1220829) TIL  
0409032226  
!EKN 08/052 EKN VOR OTS WEF 0408222000-0408230300  
!EKN 05/108 79D 8/26 CLSD