



**FREDERICK FLIGHT CENTER, INC.
FLIGHT PLANNING GUIDE**

N415CA

GENERAL INFORMATION:

YEAR: **1999**
MAKE: Piper MODEL: PA28-181 HORSEPOWER: 180
COLOR: White over Maroon
FLIGHT PLAN CODE: G
MINIMUM RATING REQUIRED: Solo/Private

EQUIPMENT:

STANDARD IFR: Yes
STANDARD VFR: Yes
ENCODER: Yes
RADIO #1: Garmin GNS 430
RADIO #2: Garmin GNS 430
ADF: None
TRANSPONDER: Garmin GTX 320
With Mode-S
MARKER BEACON: Garmin GMA 340
DME: None
AUTOPILOT: S-Tec System 55 Two-Axis
RNAV: None
STORMSCOPE: None
LORAN: None
GPS: Garmin GNS 430 (IFR Approved)
MX-20 MULTI-FUNCTION DISPLAY
✓ Weather
✓ Traffic
✓ Terrain Warning

PLANNING DATA:

BASIC EMPTY WEIGHT: 1704.06
EMPTY CG LOCATION (ARM): 87.09
EMPTY MOMENT: 148,405.01

NORMAL CATEGORY:

GROSS WEIGHT: 2550
MAX. RAMP WEIGHT: 2558
USEFUL LOAD: 853.94

UTILITY CATEGORY:

GROSS WEIGHT: 2138
USEFUL LOAD: 433.94

TOTAL USEABLE FUEL: 48 (288 lbs)

USEFUL LOAD (NORMAL CATEGORY): 853.94
FULL FUEL PAYLOAD (NORMAL CATEGORY): 565.94