

MPUC2K

Mission Planning User's
Conference 2000

2K



ESC/ACU



46 TS



HQ ACC



HQ AMC



HQ AAF



US



MPS

- N - PFPS -

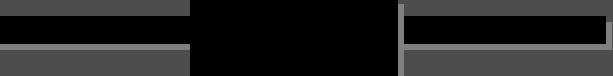
Major Steve Bennett
“Festus”



Navy PFPS IPT Lead

- NavMPS -

24X CD ROM



Overview

- Background
 - What is N-PFPS?
 - What is the DoN User Base
 - Releases
- What does v3.1 mean to the DoN users
- Don Funded Enhancements
- Questions

PMA-233 Products

Naval Automated Mission Planning Program Office

NavMPS:

- TAMPS 6.X Series
- JMPS
- N-PFPS
- ATACS / NSPW

N-PFPS Objective



- **Objective**
 - To provide automated mission planning to all the fleet until JMPMS.

PFPS Development

- PFPS Development:



- Who Pays the Bills:

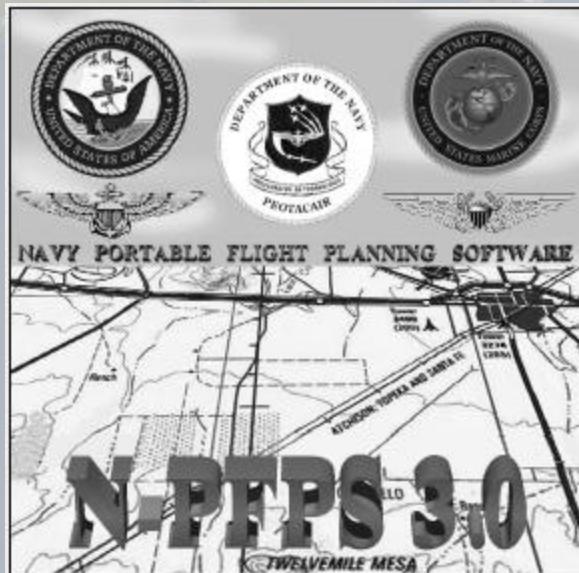




N-PFPS Releases

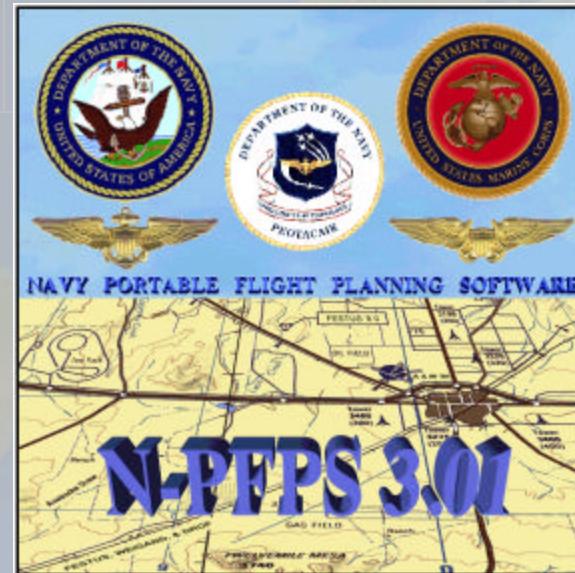
N-PFPS v3.0:

Mar '98



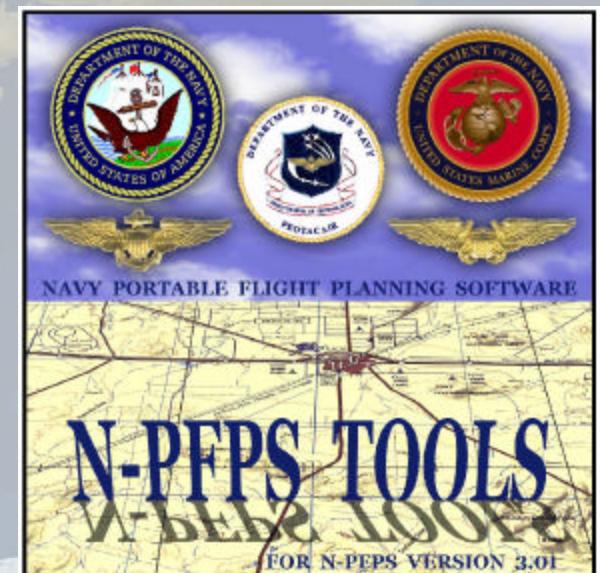
N-PFPS v3.01:

Sep '98



PFPS Tools v1.0:

Jul '99



Sent to all 262 DoN Squadrons

24X CD ROM



PFPS v3.1

- Why the DoN Users Eagerly awaits its Release -

Hardware

Dedicated PFPS Hardware:

600+ Dell Laptops
Fleet Squadrons

200+ Desktops
Training Sites

N-PFPS AWE's

CMDL

Rotary Wing:

- CH-46E
- CH-53D / E
- SH-60F
- HH-60H
- HH-1N
- UH-1N
- SH-2G
- UH-3H

Fixed Wing:

- C-2A
- T-45
- P-3 Series
- S-3 Series
- C-130T
- KC-130F / R / T
- EA-6B
- F-14B (Upgrade)

AH-1W

E-2C+

FA-18C/D/E/F

TAMMAC

F-14D
AV-8B

FPM - Flight Performance Modules

(N-PFPS v3.1)

N-PFPS v3.1

Certified

F/A-18A/B/C/D (400)

F/A-18C/D (402)

F/A-18E/F

AH-1W

C-2A

CH-46E

E-2C Block 2

F-14B/D

HH-60H

S-3B

SH-60F

UH-1N

In Certification

P-3C

T-45A/C

FPM - Flight Performance Modules

(N-PFPS v3.2)

N-PFPS v3.2

In Development

CH-53E

C-130T

KC-130F/R/T

EA-6B

Next

AV-8B (408)

MH-53E

AV-8B (406)

FPM - Flight Performance Modules

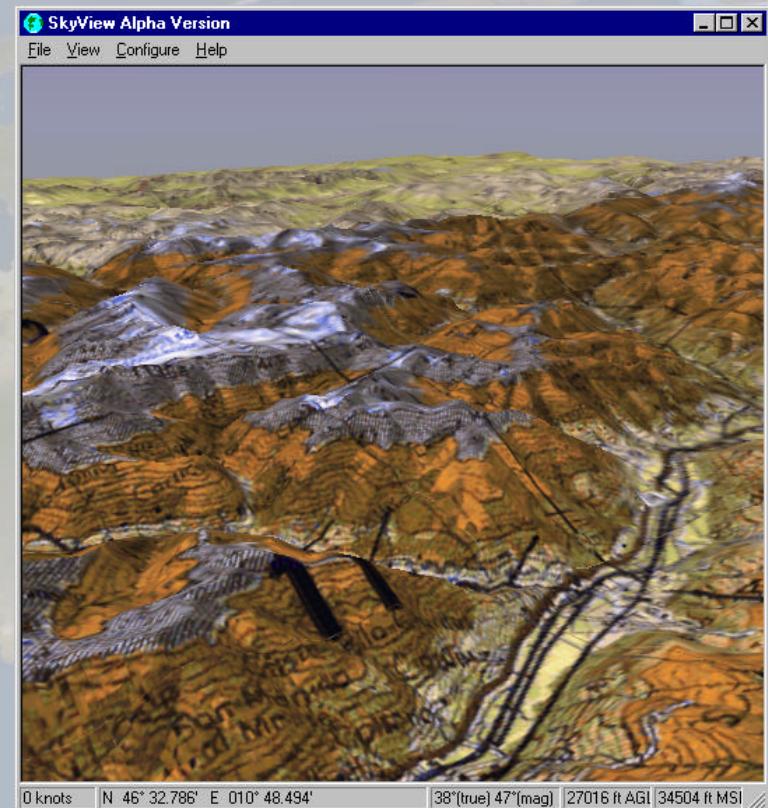
Remaining

AH-1Z	E-6B	T-39N
C/T-39G	EP-3E	T-44A
C-18F	F-14A	T-6A (JPATS)
C-20D	F-5E/F	TC / UC / C-12B/C (-41)
C-20G	JSF	TH-57B/C
C-26D	KC-130J	U-6A
C-37	MV-22B	UC-35C
C-40A	NH / VH-3A	UH-1Y
C-9B / DC-9	NP-3D	UH-3H
CH / HH / UH-46D	RC / UC-12F/M (-42)	UH-60A
CH-53D	SH-60B	UP-3A
CH-60S	SH-60R	VH-3D
E-2C	T-2C	VH-60N
	T-34C	

PFPS v3.1.1 - New Capabilities -

SkyView

- 3D Perspective Viewer
 - Drapes CADRG / CIB over DTED.
 - Uses PFPS loaded NIMA products.
- High resolution “SA Snapshot”
 - Point of Interest
 - Brief
 - Kneeboard
- Runs on low end PC
 - Non-accelerated Pentium



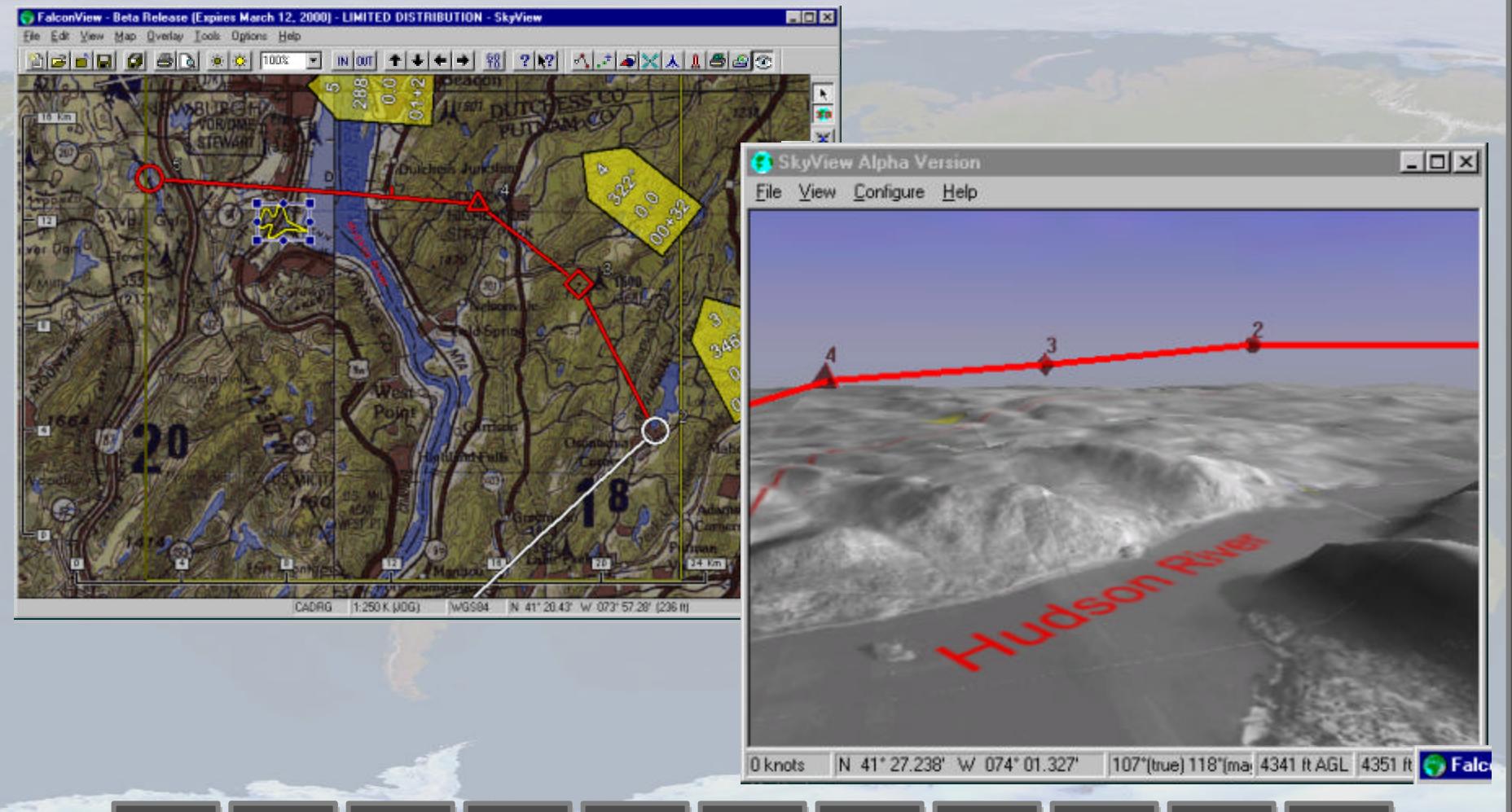
SkyView

- SkyView is integrated with PFPS
 - SkyView can depict:
 - PFPS Routes in 3D
 - FalconView Overlays
 - User definable FOV's:
 - Panoramic
 - 2 x Sensor
 - User establishes perspective (point of observation to desired point of interest):
 - Dynamically with mouse & keyboard
 - Route “snap-to” & drag
 - Dialog box

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SkyView



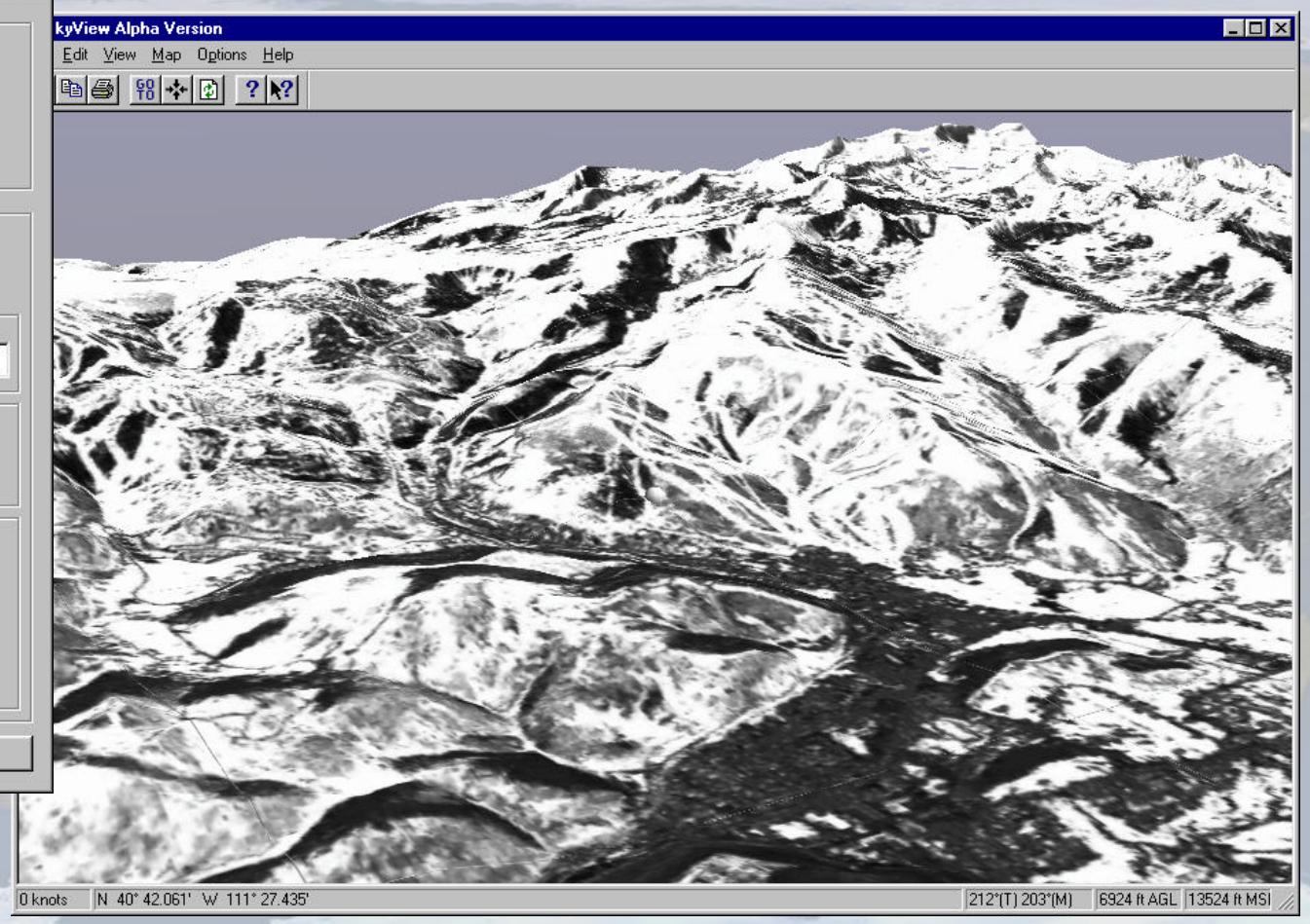
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SkyView

Point of Interest

Point of Interest	<input type="button" value="X"/>		
Datum:	Location:		
WGS84	[...]		
N 40° 38.667' W 111° 30.222'			
Elevation (Ft):	7260		
Observation Point			
Datum:	Location:		
WGS84	[...]		
N 40° 42.061' W 111° 27.435'			
Bearing (deg):	Range		
<input checked="" type="radio"/> True	32		
<input type="radio"/> Mag			
Units:	km		
7.408			
Altitude (ft)			
<input checked="" type="radio"/> MSL	13525		
<input type="radio"/> AGL	6944 AGL		
Line of Sight			
Azimuth:	212		
<input checked="" type="radio"/> True	<input type="radio"/> Mag		
Depression Angle:	14.4546		
Height Above Target:	6265.0 Ft		
<input type="button" value="OK"/>	<input type="button" value="Cancel"/>	<input type="button" value="Apply"/>	<input type="button" value="Help"/>

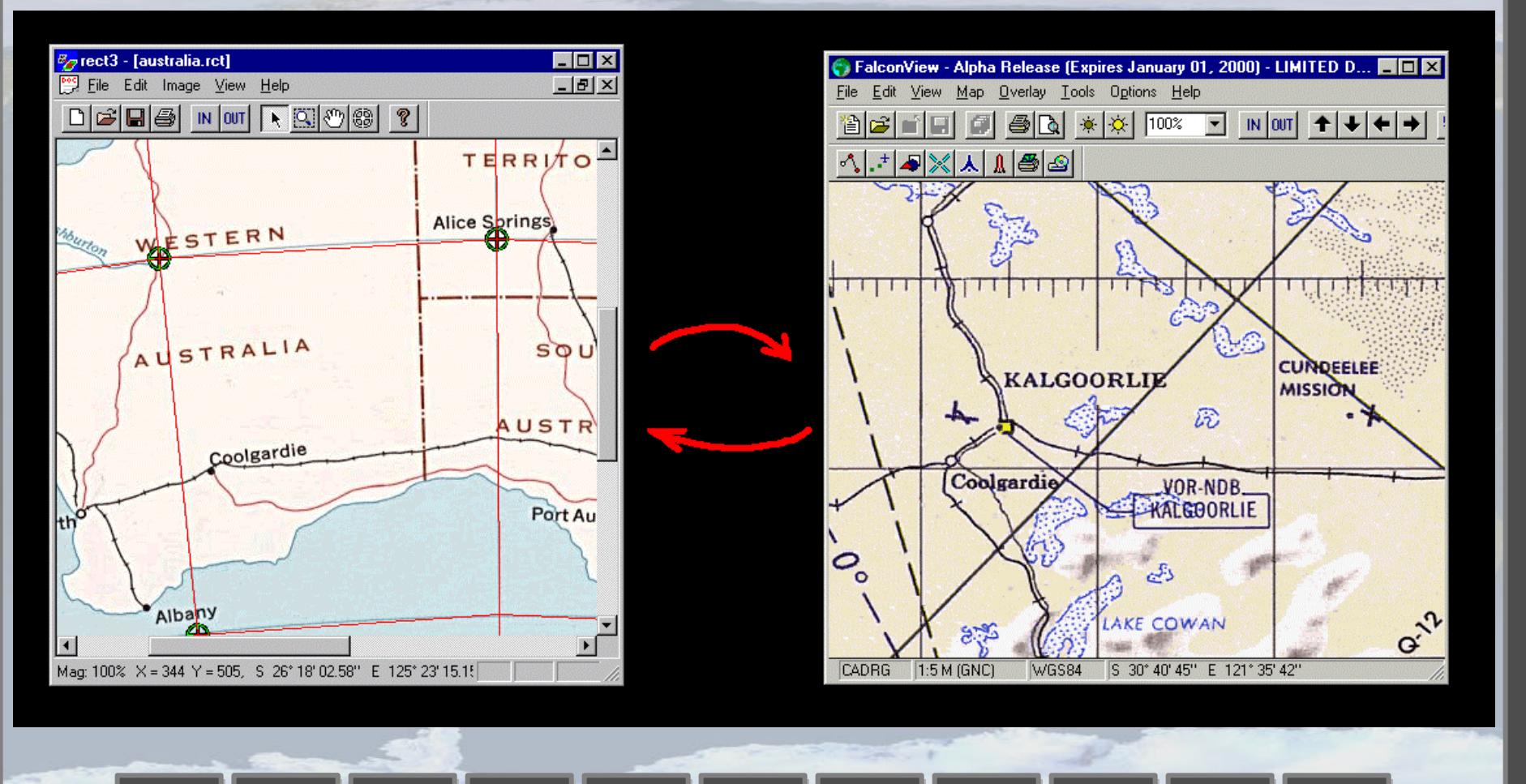


PFPS v3.2 - New Capabilities -

Geo-Rectification Tool

- Ingests TIFF, BMP, and JPEG files
 - File
 - Scanner
 - Clipboard
- Rectifies to Equal-Arc projection
- Produces GeoTIFF files
 - PFPS v3.2

Geo-Rectification Tool



Navy Portable Flight Planning Software



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