ADV File Format

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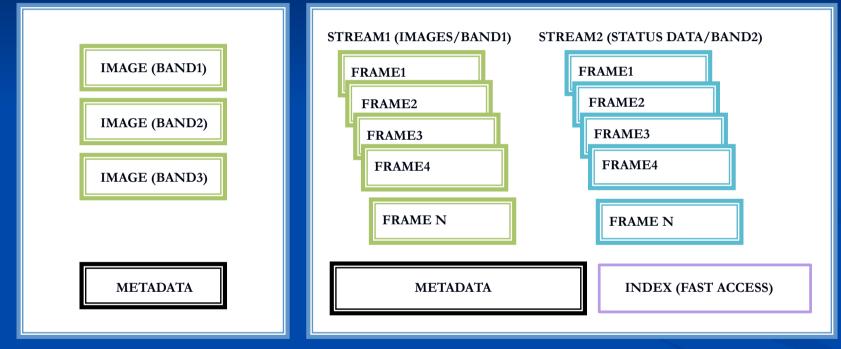
Video File Format Considerations

Minimize file size as possible Single video file Power-off tolerant Data corruption tolerant + allow recovery **Extensible** Allow user data storage (during and post) reduction) Open format with free libraries to read/write

ADV File Format

FITS

ADV



Astro Digital Video (ADV) File Structure



ADV Status Stream



GAIN
GAMMA
OFFSET (BRIGHTNESS)

4. SYSTEM TIME5. ADVR SYSTEM MESSAGES



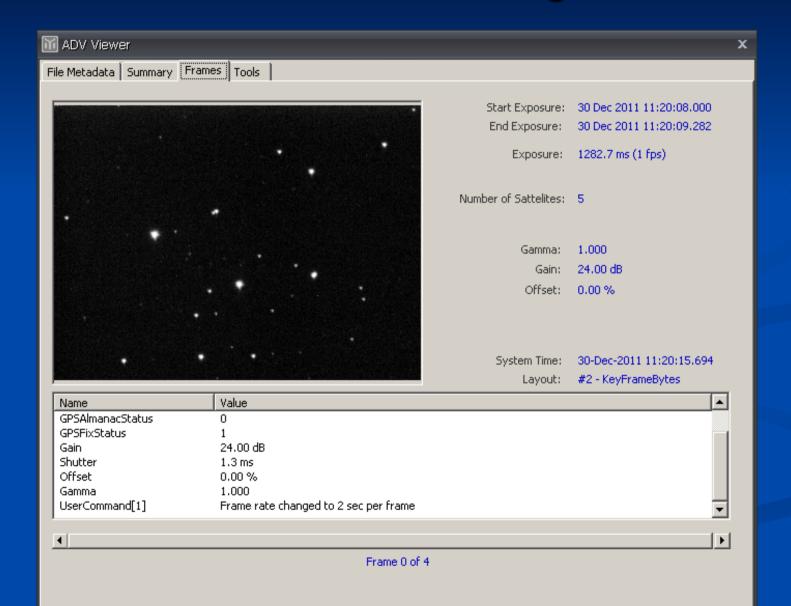
6. TIMESTAMP
7. EXPOSURE
8. TRACKED SATELLITES
9. GPS FIX STATUS



Read by Tangra 3



ADV Viewer - Tangra



- ADV (ver1) Open source C++ and C# libraries available to record in ADV format <u>https://github.com/AstroDigitalVideo/ADVLib</u>
- ADV (ver1) Already supported by other recording software
 - Genika Trigger
 - Holenstein's High Speed Video Recorder
- New ADV version 2 being developed
 - Lagarith16 lossless compression
 - More powerful and extensible
 - Larger development group

