



Libby Army Airfield Mid-Air Collision Avoidance & Air Traffic Control Briefing Greg Harrell Chief Air Traffic Control 23 October 2015

Installation Management Command (IMCOM)

IMCOM delivers and integrates base support to enable readiness for a self-reliant and globally-responsive All Volunteer Army .

We are the Army's Home



Agenda



- **Operations**
- **Airspace Complex**
- **LAAF Airspace Users**
- **Air Traffic Control (ATC) & Airspace Procedures**
- **Airfield Support**
- **Conclusion**
- **Questions**



Operations



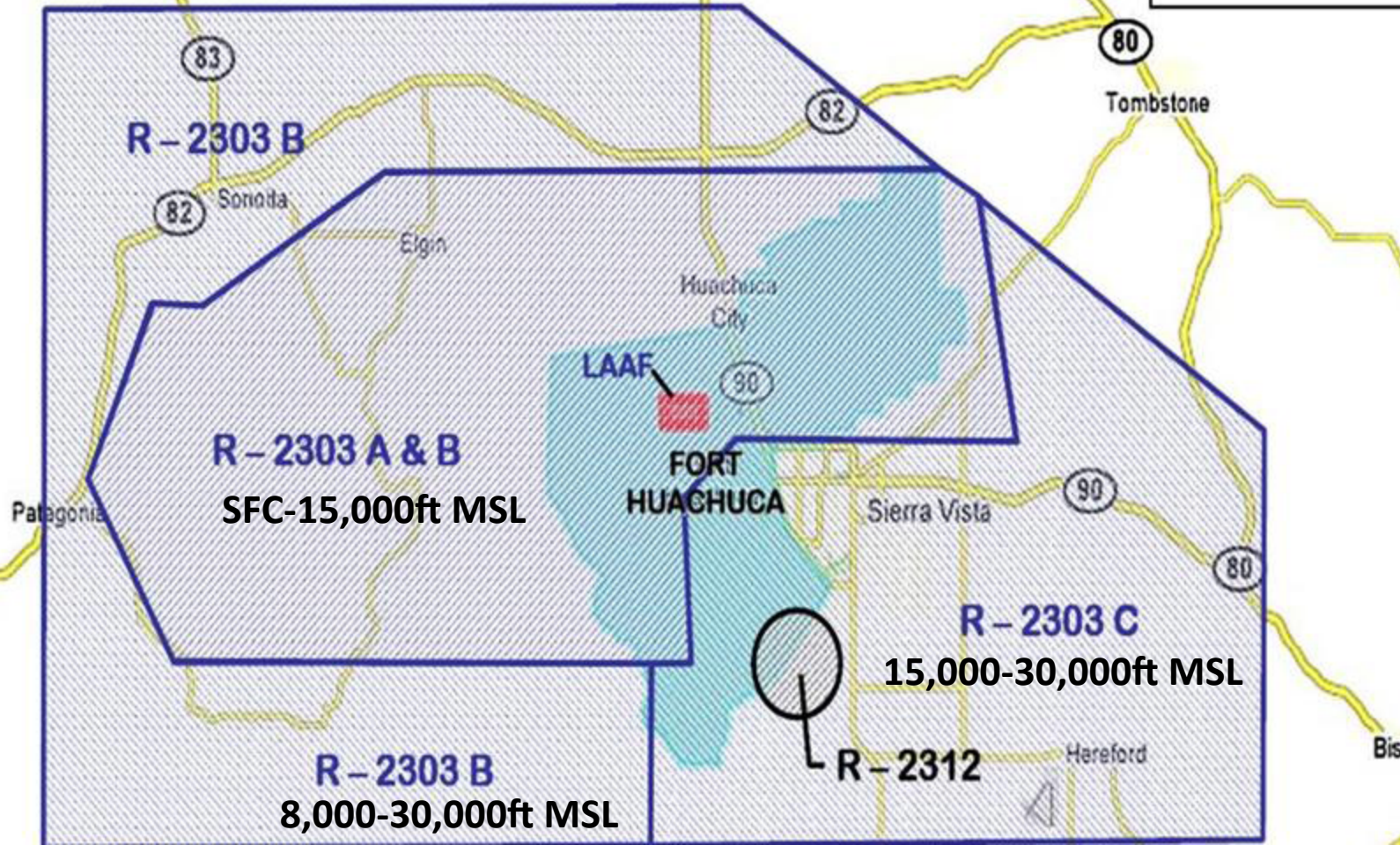
•KFHU MISSION:

Provide a joint-use military and civilian airfield that allows for safe and effective military training in both manned and unmanned aircraft while providing maximum access for civilian operations.

16/5: 0700L Mon-2300L Friday (Sep-Jan) then 24/5 0000L Mon-2300L Friday, excluding weekends and holidays unless mission requirements dictate otherwise.

Libby Restricted Airspace Complex

Restricted Airspace ~946 Square Miles
Surface – 30,000 feet AGL



98

152

CEILING
13,000
MSL

R-2303B

R 2303A EXCLUDES
AIRSPACE TO 7000 MSL

RESTRICTED
R-2303A & B

HUBBARD

CAUTION: UNMARKED BALLOON
ON CABLE TO 15,000 MSL

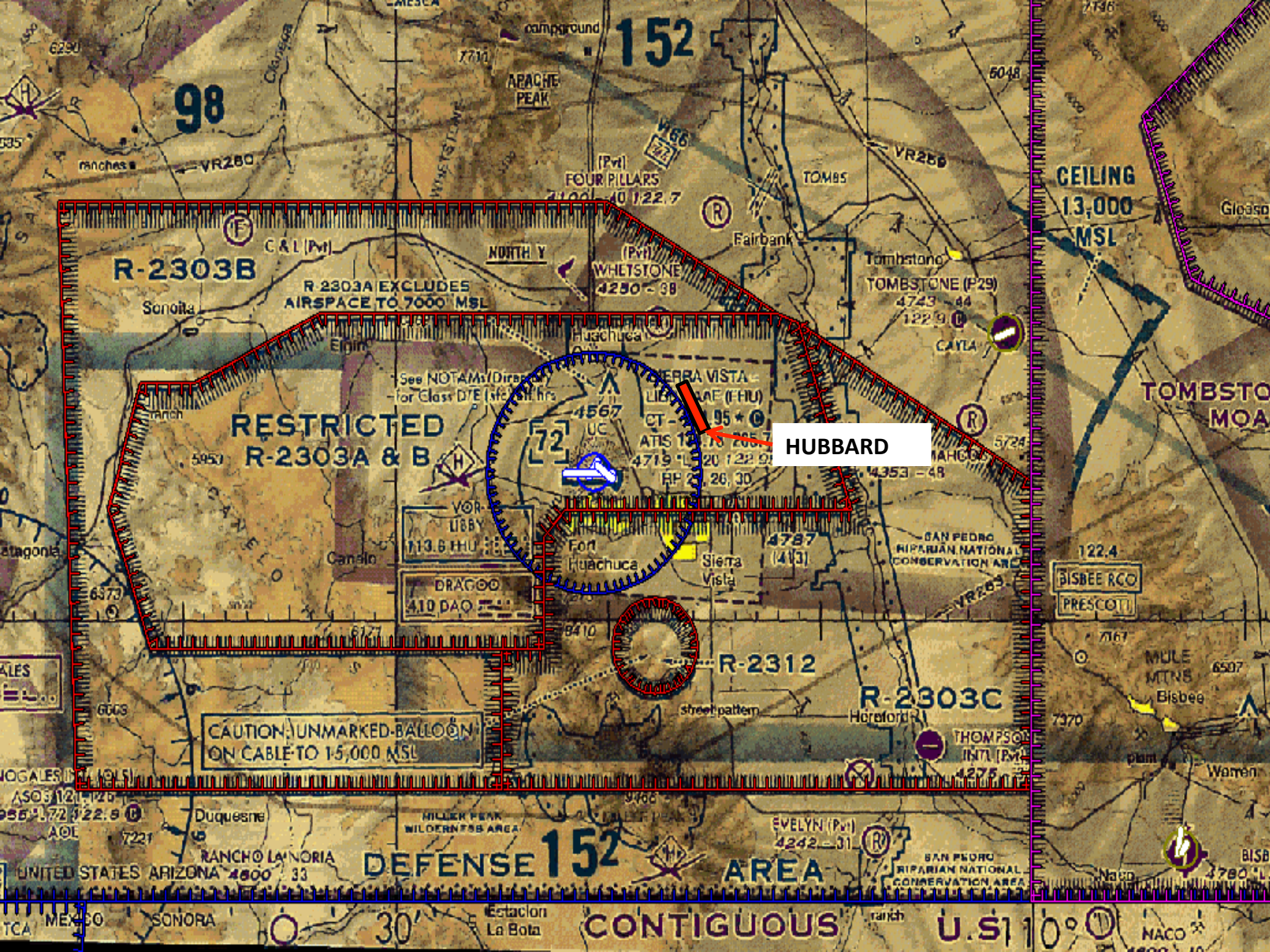
R-2312

R-2303C

DEFENSE 152 AREA

CONTIGUOUS

U.S. 10°



campground

ARACHE
PEAK

(Pvt)
FOUR PILLARS
7100 - 40 122.7

(Pvt)
WHELSTONE
4250 - 98

4567
UC

CT-95 * C
ATIS 121.75 285.7
4719 * L 20 122.9
RP 20, 20, 30

Fort
Huachuca

VOR
113.6 FHU

DRAGON
410 DAO

8410

4787
(413)

EVELYN (Pvt)
4242 - 31

RANCHO LA NORIA
4800 33

HILKER PEAK
WILDERNESS AREA

SAN PEDRO
RIPARIAN NATIONAL
CONSERVATION AREA

BISBEE RCO
PRESCOTT

7167

MULE
MTNS
Bisbee

7370

BISBEE
4780 * L

TCA MEXICO

SONORA

30'

Estacion
La Bota

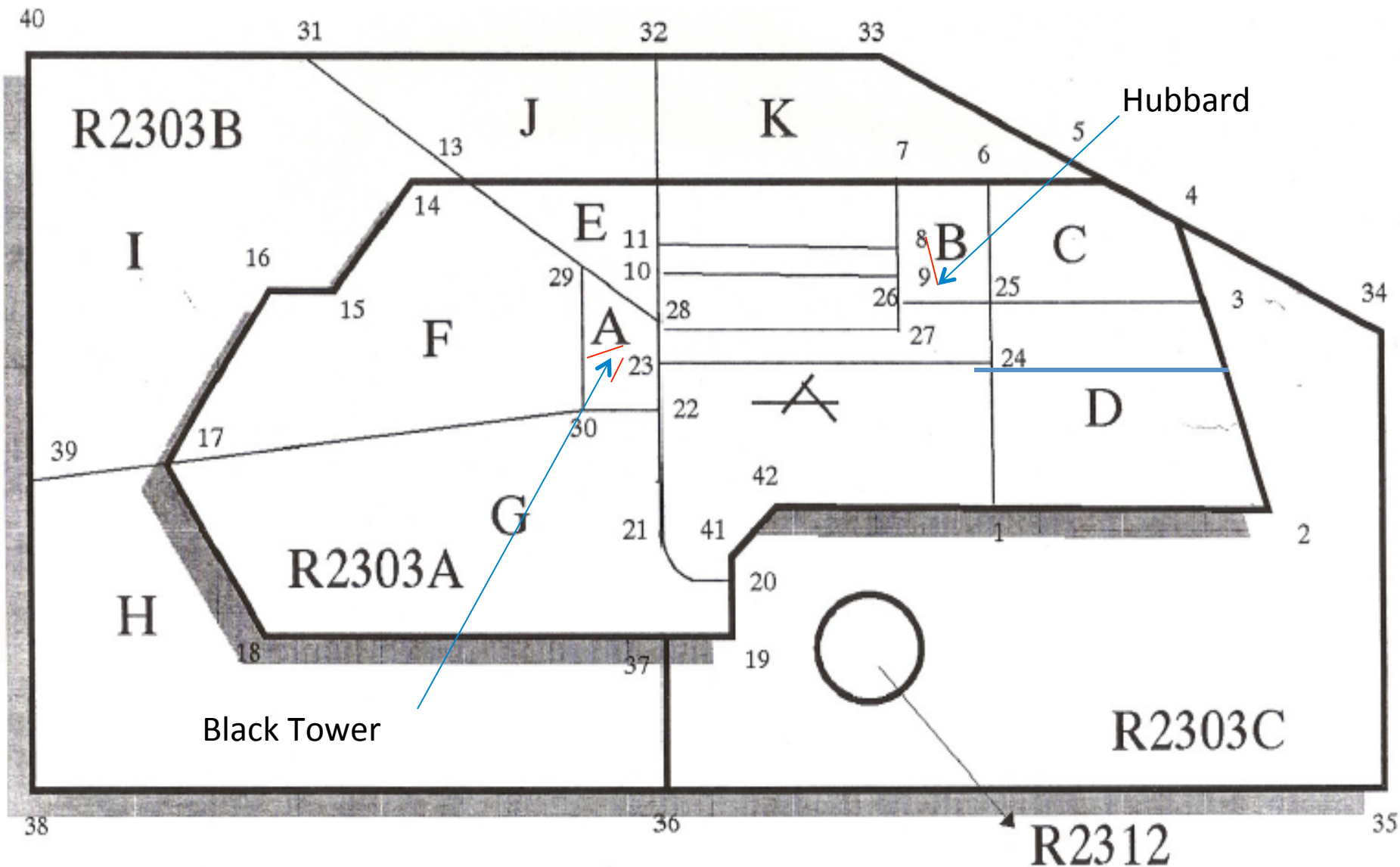
U.S. 10°

U.S. 10°

NACO



Libby Restricted Airspace Sectors





LAAF USERS



- U.S. Army - Special Electronic Mission Aircraft (SEMA) Transition Training EMARSS/Liberty (RC/MC-12) (B-350)
- 2-13th AVN REGT - Shadow/Gray Eagle UAS MQ-1C
- U.S. Air Force - 355th Fighter Wing (A-10, C-130, and HH-60)
- Arizona Air National Guard - 162^d Fighter Group (F-16)
- Missouri Air National Guard - Advanced Airlift Tactics and Training School (139th AW, C-130 and C-17)
- Arizona Air National Guard - 161st Air Refueling Wing (KR-35)
- Customs and Border Protection, DHS, MQ-9 (3/ Predator B)



LAAF USERS (cont)



- 160th SOAR, Ft Campbell, MQ-1C (4/Gray Eagles MQ-1C)
- 214th ANG, 162nd FW Tucson, MQ-1A (Pred A, MQ-1B)
- Sierra Vista General and Commercial Aviation (GA)
- U.S. Forest Service - Tanker Base (SEATS, P-2, BA-146, & C-130) (Only on station 5 months, May-Sep)
- Testing Contractors (Northrop-Grumman, EPG, Raytheon, MIT, Advanced Ceramics Research (ACR))



Special Electronics Mission Aircraft



- Train Army pilots to fly a twin engine aircraft
- Primary Mission: Intelligence, Reconnaissance, and Surveillance

• EMARSS:
Enhanced Medium
Altitude
Reconnaissance
and Surveillance
System





2-13th Aviation Regiment



- Operations conducted in Special Use Airspace
- Provides the initial training for the larger Predator Class Unmanned Aircraft Systems

Shadow RQ-7 20ft wing span

Speed: Cruise: 90 kts/104 mph (167 km/h); Max: 110 kts/129 mph (203 km/h)
Service Ceiling: 15,000 feet (4,572 m)

Endurance: RQ-7B 200 re-wing: 9 hrs



2-13th Aviation Regiment



Gray Eagle MQ-1C
56 ft wing span

- Operations conducted in Special Use Airspace and off of LAAF
- Provides the training for the Predator Class UAS for the Army Soldier
- Began operations out of LAAF Oct 2009 and is the Army's Program of Record



355th Fighter Wing, Davis Monthan



- LAAF is the alternate practice airfield for the A-10s
- Due to noise abatement, flight training is limited at Davis Monthan AFB





162d Fighter Wing, ANG



- ANG Flight Training Unit for the F-16
- They use LAAF to meet their training requirements for student upgrades





139th Airlift Wing, Missouri ANG



- Conduct Advanced Airlift Tactics Training Center operations one week per month
- Includes 14 foreign countries and is the primary C-130 upgrade course





214th Reconnaissance Group (AZ ANG)



- Operations conducted in Special Use Airspace and off of LAAF
- Provides aviation training for the Arizona National Guard in the MQ-1B, Predator
- Potential to team with DHS

Predator A MQ-1B
55 ft wing span





Customs & Border Protection



- Stages out of LAAF, yet can be flown from various locations, such as North Dakota, Tucson, Corpus Christy, and Florida
- Provides Homeland Security support

Predator B
66 ft wing span





160th Special Operations Aviation Regiment



- Operational unit assigned with real world taskings
- Flying the Gray Eagle, MQ-1C

Gray Eagle MQ-1C
56 ft wing span





ATC and Airspace Procedures



- Libby ATC provides positive control, sequencing, and separation services to all aircraft arriving/departing or operating within, entering/exiting into/out of the Fort Huachuca Special Use Airspace Complex and airport at all times during published hours of operation.
- Positive separation (1,000ft vertical) and sequencing of Manned and Unmanned Aircraft.
- May receive ATC vectors or altitude assignments when transiting, arriving or departing the airspace.
- Maximizes efficient Joint-Use of R-2303 airspace.



ATC and Airspace Procedures



“One Call Does It All”

- No person may operate an aircraft within a restricted area (designated in part 73) contrary to the restrictions imposed, or within a prohibited area, unless that person has the permission of the using or controlling agency, as appropriate.
- Active times and dates of Restricted airspace is charted on VFR sectionals and at other times VIA NOTAM
- Two way radio communications must be established or maintained at all times. You must receive a clearance from Libby ATC “Cleared Into” to enter the boundaries of restricted airspace IAW FAR 91.133 Restricted and prohibited areas.



ATC and Airspace Procedures



KFHU FREQUENCIES: *“One Call Does It All”*

Contact Information:

- Libby Approach: (127.05/254.35)
- Libby Tower: (124.95/284.75) Ground: (121.7/268.7)
- Libby ATIS 134.75/265.7



Airfield Attributes



- 3 Runways: Rwy 08/26, Rwy 12/30, and Rwy 03/21
 - Primary Runway is Rwy 08/26, 12,001x150 ft, Used 80% of the time
 - Rwy 12/30, 5,366x100 ft
 - Rwy 03/21, 3,032x75 ft
- Traffic Pattern:
 - 5,700 ft MSL for UAS and General Aviation
 - 6,200 ft MSL for Jets and Turboprops
- NAVAIDS:
 - 2 Precision Approaches: ILS (Instrumental Landing System) and PAR (Precision Approach Radar)
 - VOR (Very High Omni-directional Range), TACAN (Tactical Navigation), and NDB (Non-Directional Beacon)
 - DASR (Digital Airport Surveillance Radar)
- ATC Radar Facility
 - Latest ATC equipment
 - Radar Simulator Facility
- Control Tower



Libby Army Airfield





Conclusion



Libby Army Airfield is dedicated to meeting the training needs of the Army and DoD mission while providing safe, effective access for civilian operations.

“One Call Does It All”



Conclusion



QUESTIONS