



HSAC Aerial Observation Committee Minutes

Sheraton North Houston, Houston, TX, Wednesday, October 16, 2013

- 08:30: Introductions, change of leadership Tim Doty - ExxonMobil Corp
- 08:40: Safety Moment- Post-Maintenance safety actions Greg Reeves - Barr Air Patrol
- Suggestion: Email presentation to group
- 08:50: Safety Statistics Tom Buchner - Energy Transfer
- Discussion on what company hours to include in HSAC hours
- Review of 2012 and known 2103 accidents
- 09:20: Break
- 09:40: Action Plan discussion Tim Doty - ExxonMobil Corp
Cort Andrews - Barr Air Patrol
- Radio frequencies - information only
 - Pilot/Observer Training (RP) - Waiting placement on HSAC website
 - Patrol in Mountain Terrain (RP) - Finished January 2010 and published
 - Crew Size - remains open for future discussion
 - Low Level Waiver Process - Leave for further discussion
 - API Workshop (REMOVE)
 - Identification of flight hours (accuracy and who/what to include)
 - Preflight risk assessment (RP done - CLOSED)
 - OGP Aerial Surveillance Recommendations - remains open for further discussion
 - FDM
 - Interface with API (CLOSE)
 - Cold Weather Flying (information only) - CLOSED
 - Bird Strikes (information only) - CLOSED
 - Call for presenters - send email to Tim if there is any industry/vendor we would like to see
 - RP 061/062 presented and closed
 - Fatigue Management RP discussion - remains open for further discussion, draft RP developed, discuss again in January
 - Software presentation (information only)
 - RP 063 - no changes
- 10:05: Discussion - attendance, topics, possible future RPs Tim Doty - ExxonMobil Corp
- How do we attract more attendees, greater discussion and pertinent RP development



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Safety Through Cooperation
Since 1978

10:10: New Business

Tim Doty - ExxonMobil Corp

- AOC leadership- again led by energy company; will this increase attendance?
- Possible new topics:
 - Use of personal electronic devices/tablets in the cockpit
 - CRM/Tasking?
 - Insurance discussion?
 - ADS-B?
 - Group Attendance

10:35: Break

10:45: Special Presentation: spidertracks aircraft tracking

Jerry Lee - spidertracks

- Airborne Satellite Tracking Technology
 - Two major components: GPS and Iridium Satellites
 - GPS: US system. 24 satellites with on-orbit spares. Alternatives Exist:
 - GLONASS: Russian
 - Galileo: EU, certain Asian and Middle Eastern partners
 - COMPASS: Regional (SE Asia)
 - IRNSS: Region (Indian Subcontinent)
 - Sat phones:
 - Iridium (global), 66 satellites in low earth polar orbits plus spares
 - Globalstar (poor coverage near poles)
 - INMARSAT
 - Orbcomm (microsat)
 - Astro Broadband(EU)
 - Solaris (EU)
 - OnAir
 - Intersputnik
 - Google maps
 - Amazon (server space)
- spidertracks combines iridium and GPS for position reports and place on Google Earth. Amazon provides server space.
- Have not found an aircraft that would not work with spidertracks
- Texting, SOS, position reporting, and takeoff/landing automated reports

12:00: Meeting Adjourned. Next meeting January 2014 @ New Orleans



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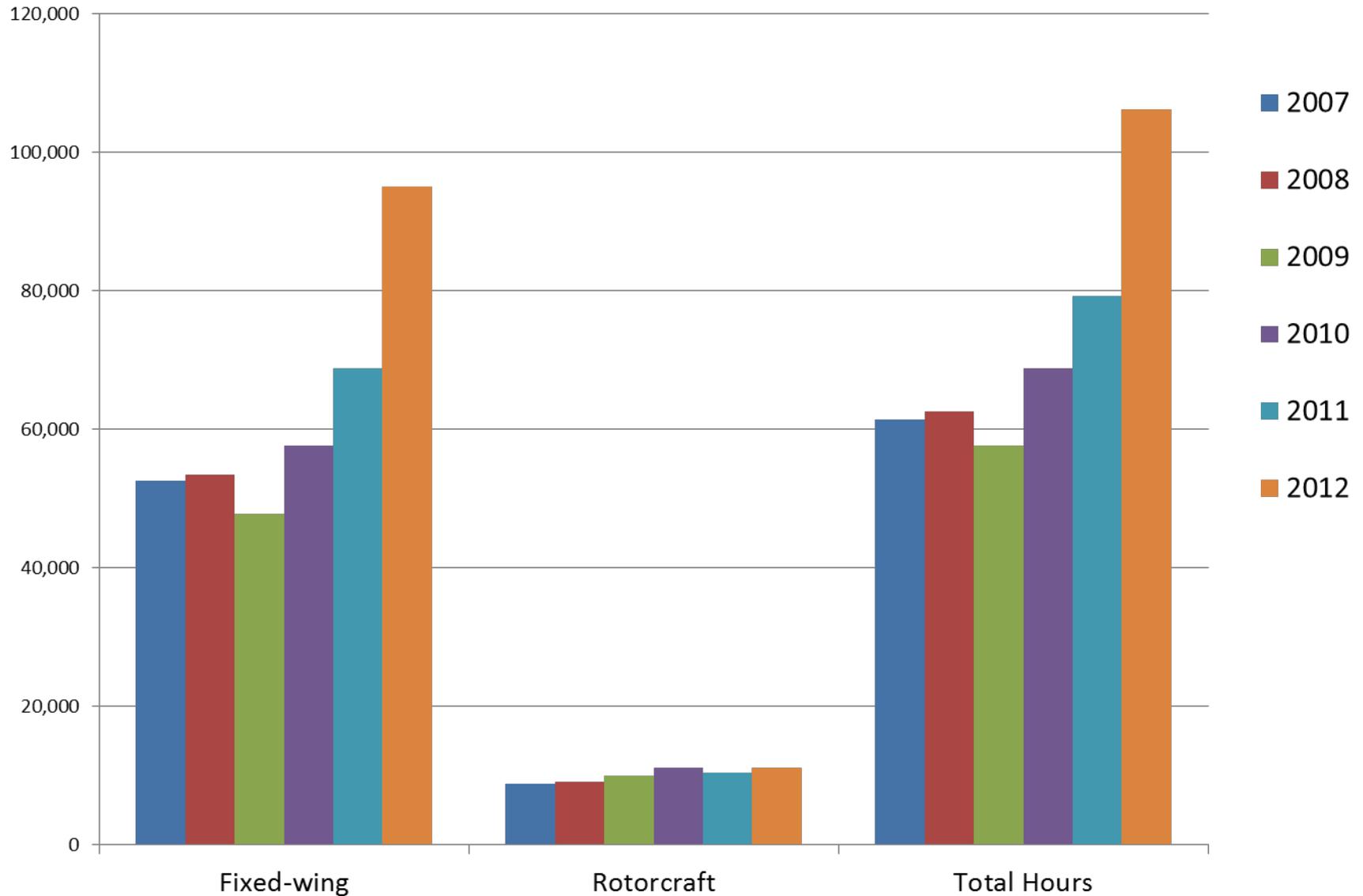
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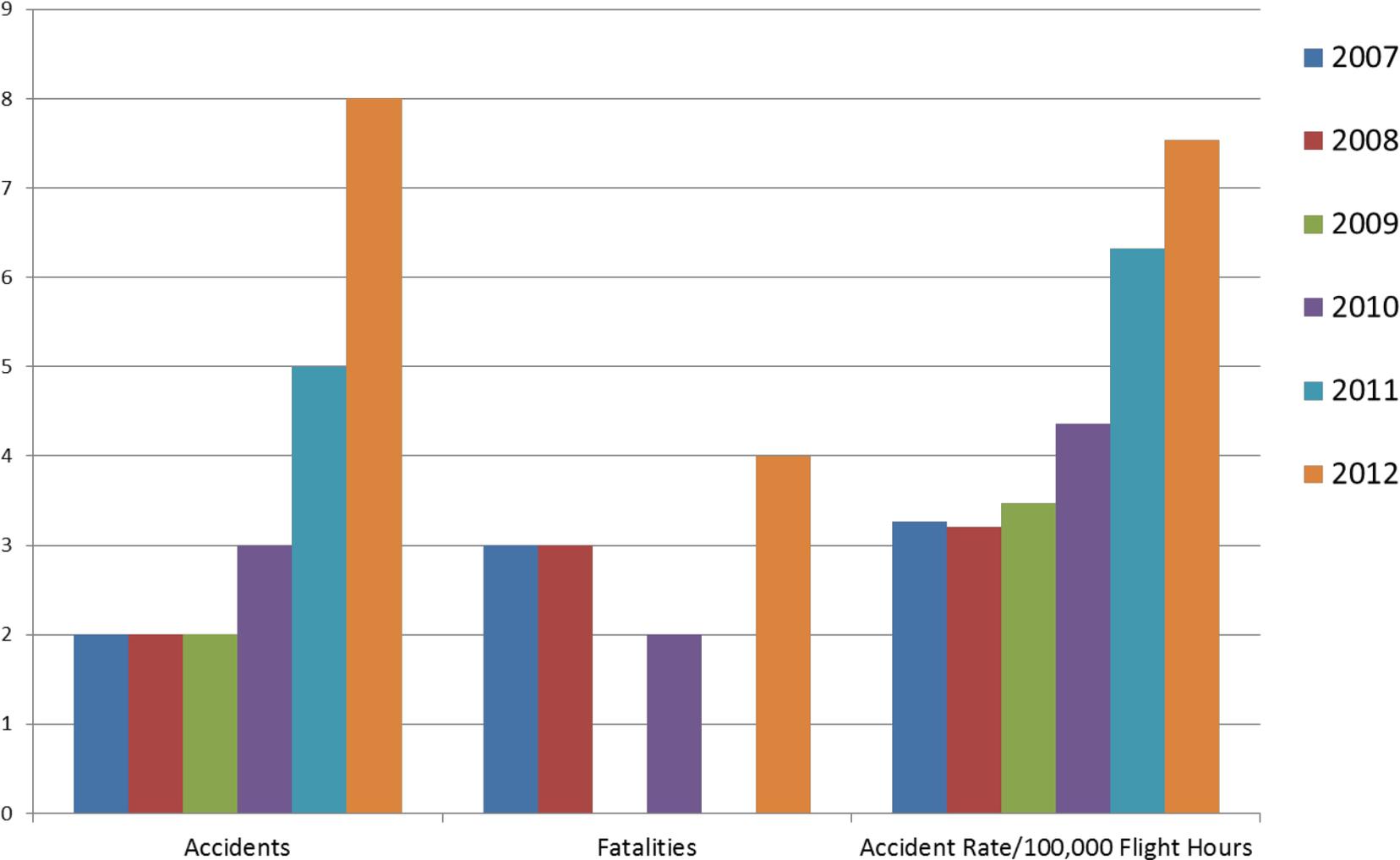
Accidents, Flight Hours, and Stats

October 16, 2013
Houston, TX

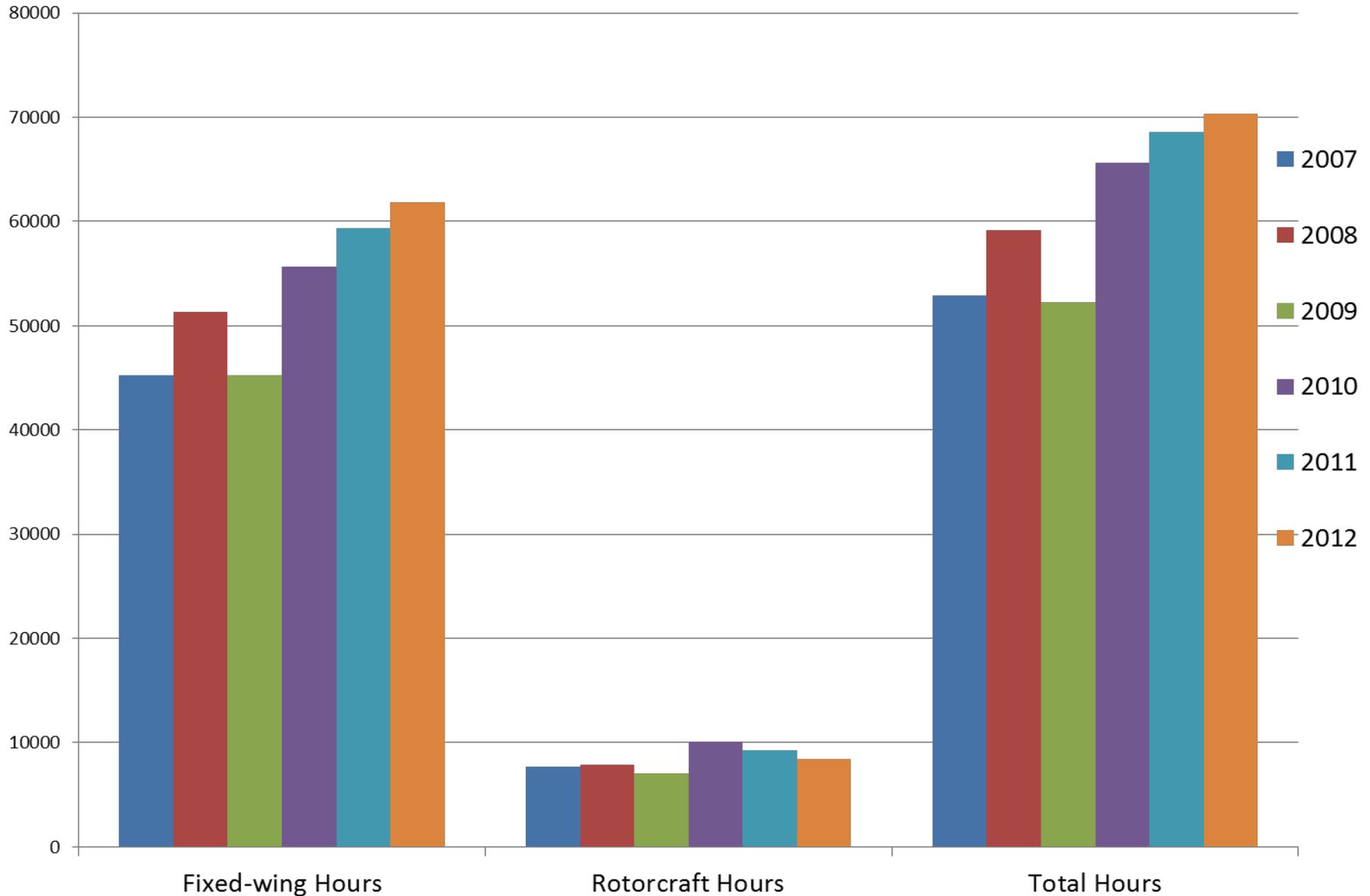
2012 Aerial Patrol Flight Hours – Industry Wide



2012 Aerial Patrol Accidents & Rate – Industry Wide



2012 Aerial Patrol Flight Hours – HSAC Participants Only



2012 Aerial Patrol Accidents & Rate – HSAC Participants Only

