

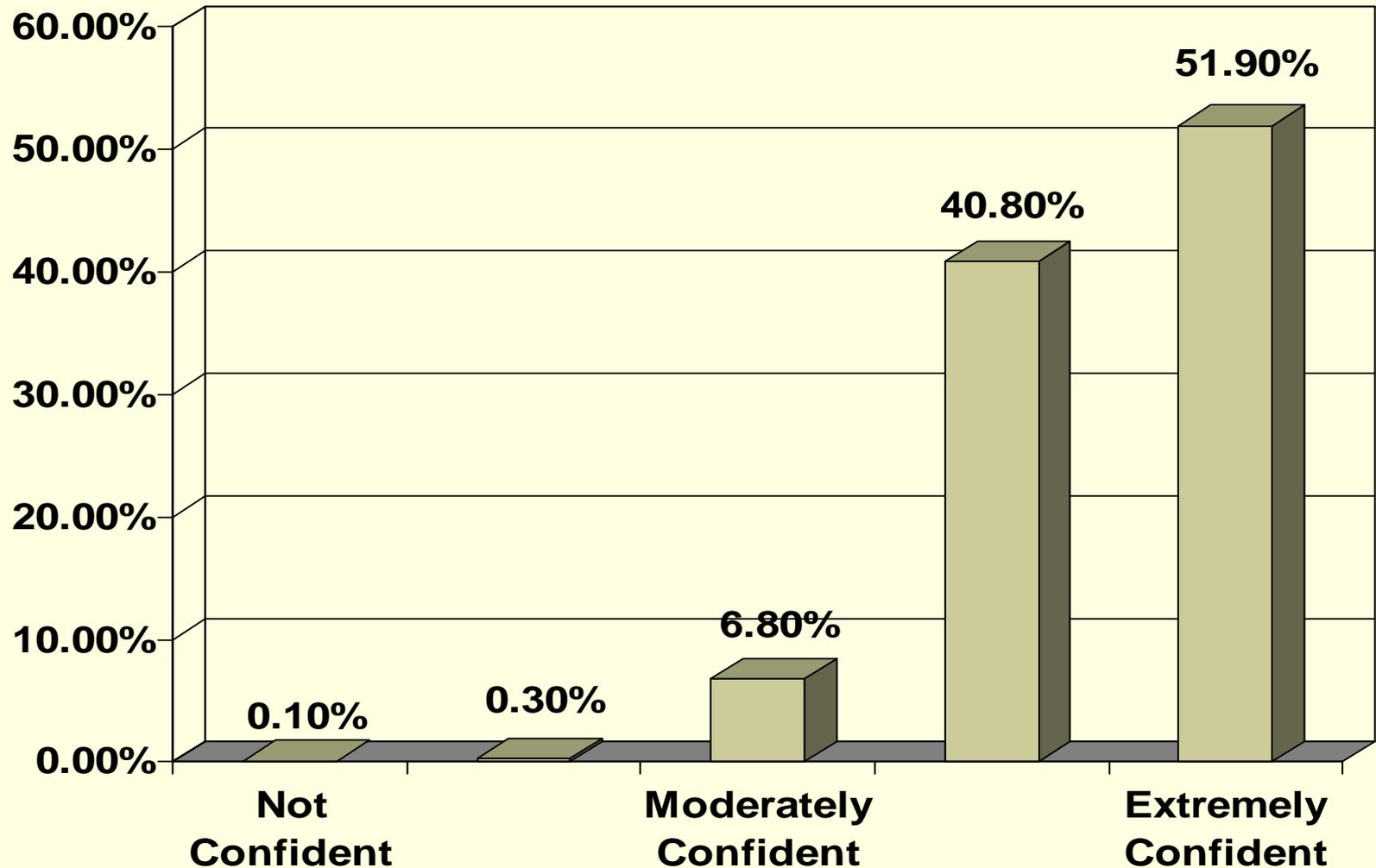
# The National Aviation Operations Monitoring Service

## Preliminary Results

Robert Dodd, Sc.D. and Mr. Loren Rosenthal,

Battelle

# Section D: Confidence In Accuracy of Answers (Question D1)



# Section D: Confusing or Ambiguous Questions (Question D2)

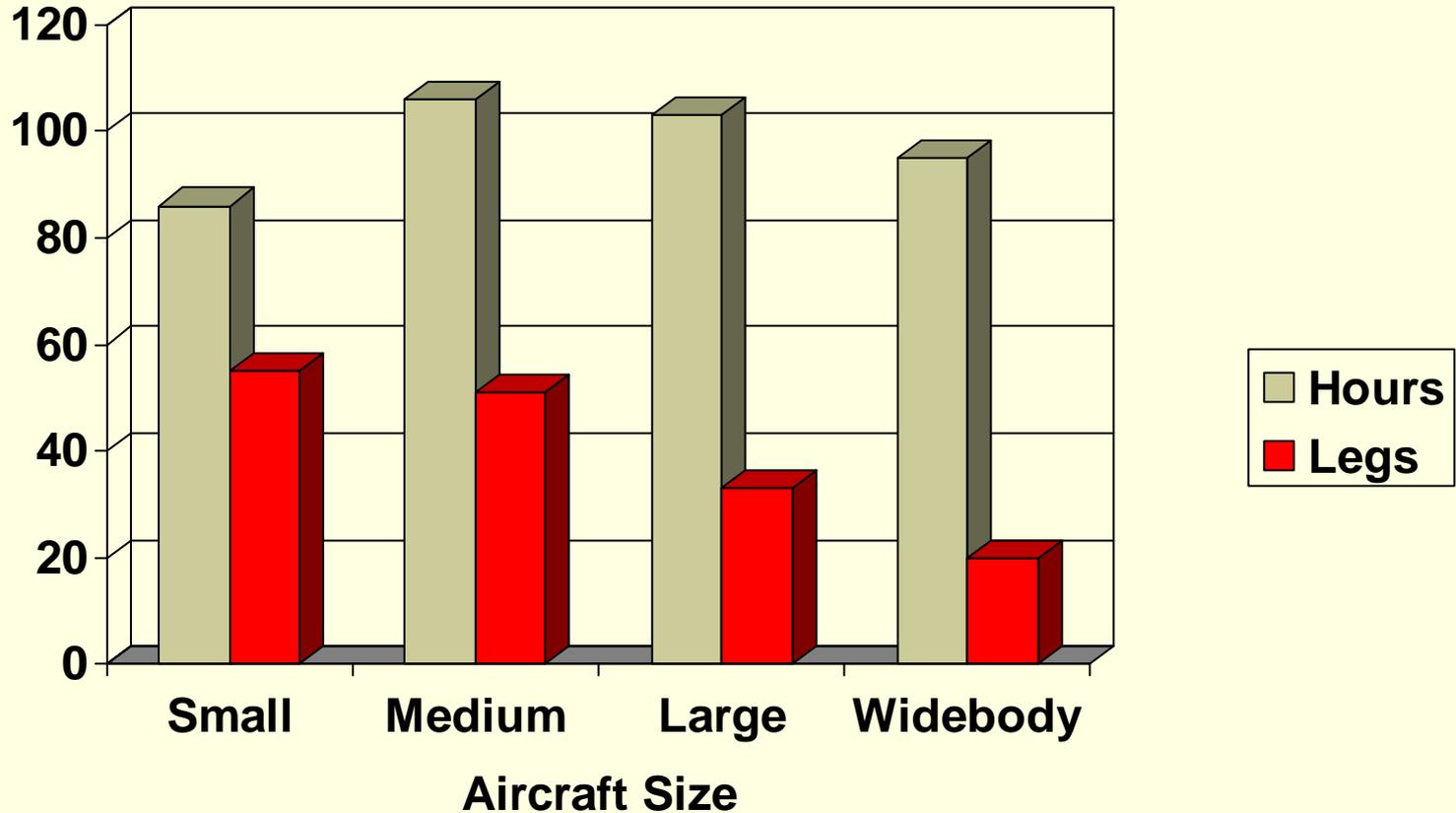
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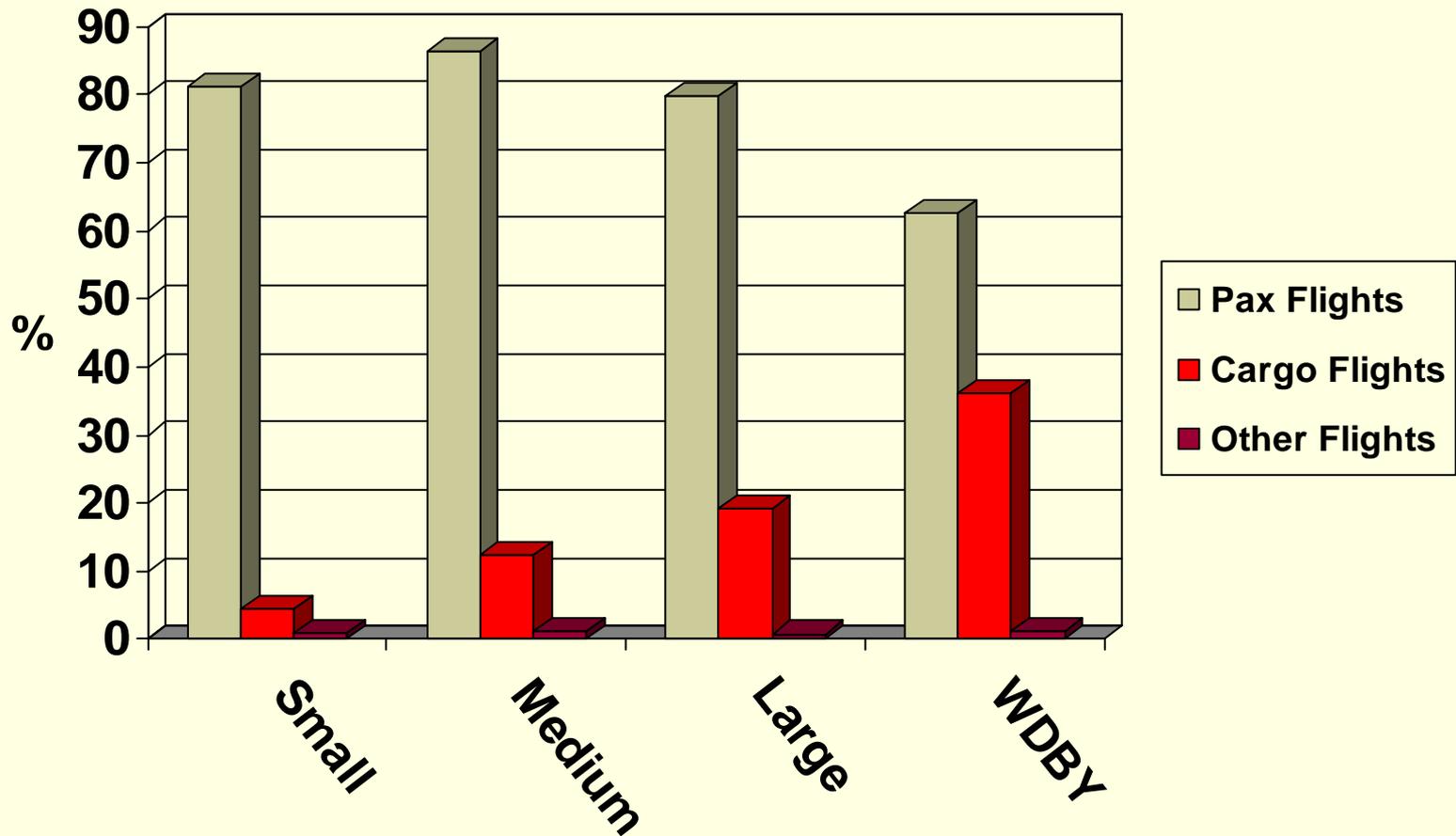
- No 91.1%
- Yes for one or more questions 8.7%

Values based on responses from 12,783 pilots

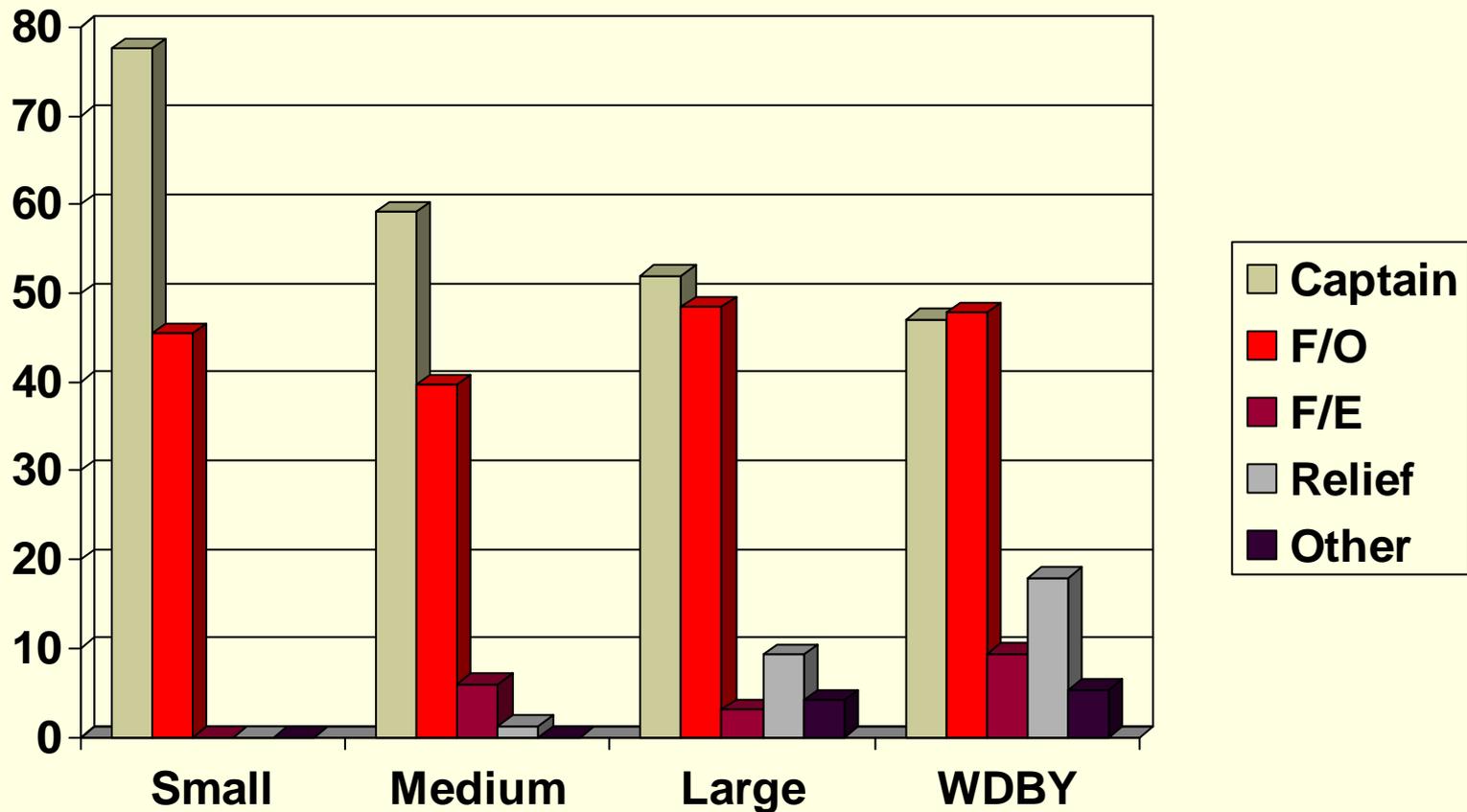
# Section A: Hours and Legs Last 60 Days by Aircraft Size (Questions A1 and A2)



# Section A: Type of Flights (Questions A4-A6)



# Section A: Pilot Reporter Cockpit Position (Question A7)



# Section C: Special Topic – In-Close Approach Changes

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- Dynamics of approach clearance changes requested by ATC within ten miles of a destination airport
- Sixteen questions relating to:
  - Pilot execution of requested changes
  - Consequences
- Questions focus on number of in-close approach change (ICAC) events
- Followed by additional questions concerning the last ICAC experienced by pilot

# Number of In-Close Approach Changes Requested by ATC



	<b>Approaches Flown in Sample Set</b>	<b>Percentage of Approaches Flown</b>
<b>Total Legs Flown</b>	600,410	100%
<b>Total Number of ICAC Requested by ATC</b>	34,291	5.7%
<b>Total Number Accepted by Pilots</b>	32,054	5.3%
<b>Total Number of ICAC Approaches Followed by Unwanted Events</b>	2,076	0.34%

# Issues Associates with In-Close Approach Changes



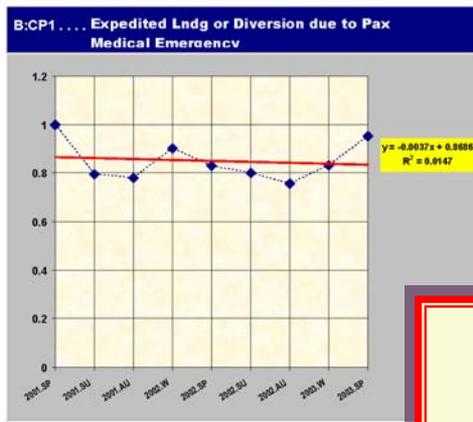
Type of ICAC Issue	Percentage of Approaches with Unwanted Events
Unstabilized Approach	71.8%
Long/Fast Landing	60.4%
Wake Turbulence Encounter	21.9%
Missed Approach	22.4%
Ground Conflict	4.5%
Airborne Conflict	6.4%
Out of Limit Winds	3.1%
Landing without Clearance	0.5%
Other	37.9%

# Section B Results

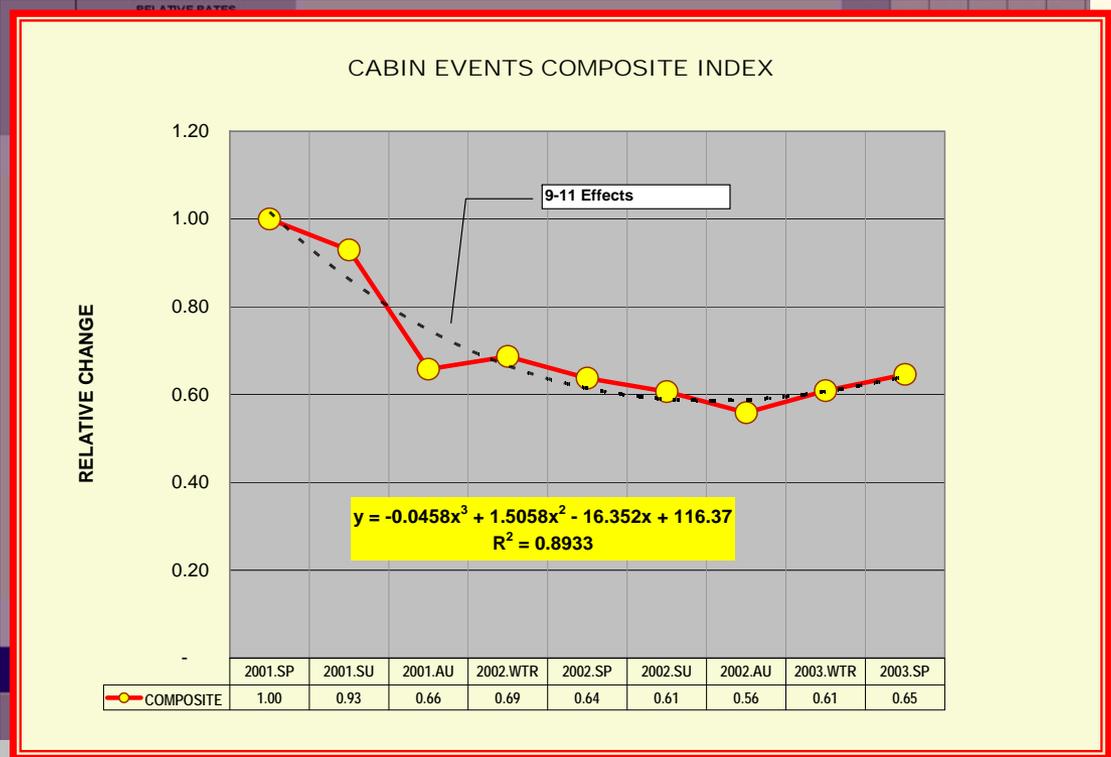
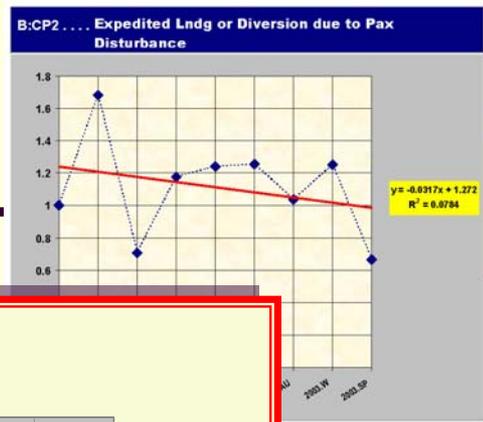
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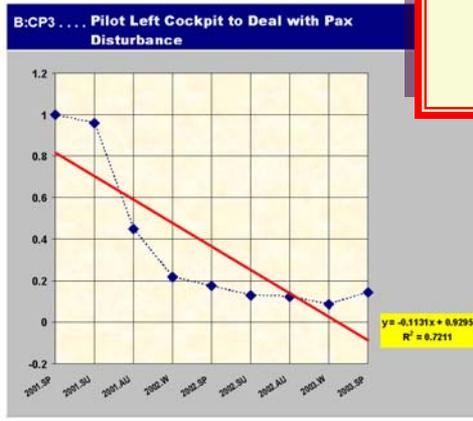
### NAOMS EVENT RATE TRENDS



### NAOMS EVENT RATE TRENDS



### NAOMS EVENT RATE TRENDS



### WEIGHTING OF COMPOSITE INDEX COMPONENTS

