



Comparison of Form B 2001 Results

Presentation by the FCHLPM Professional Team

FCHLPM Meeting

Tallahassee, FL
September 18, 2002



Form B: Hypothetical Event Evaluation

- The Commission requests:
 - Maximum estimated one-minute sustained 10-meter wind speed
 - Estimated loss by coverage type

- For the purpose of evaluating the consistency of:
 - Wind speeds among the different models
 - Loss estimates among the different models



Form B Comparisons

■ Losses calculated:

- Total estimated
- Loss A
- Loss B (10% of Loss A)
- Loss C
- Loss D

■ Storm Categories:

- Cat 1
- Cat 2
- Cat 3
- Cat 4
- Cat 5

■ Cities:

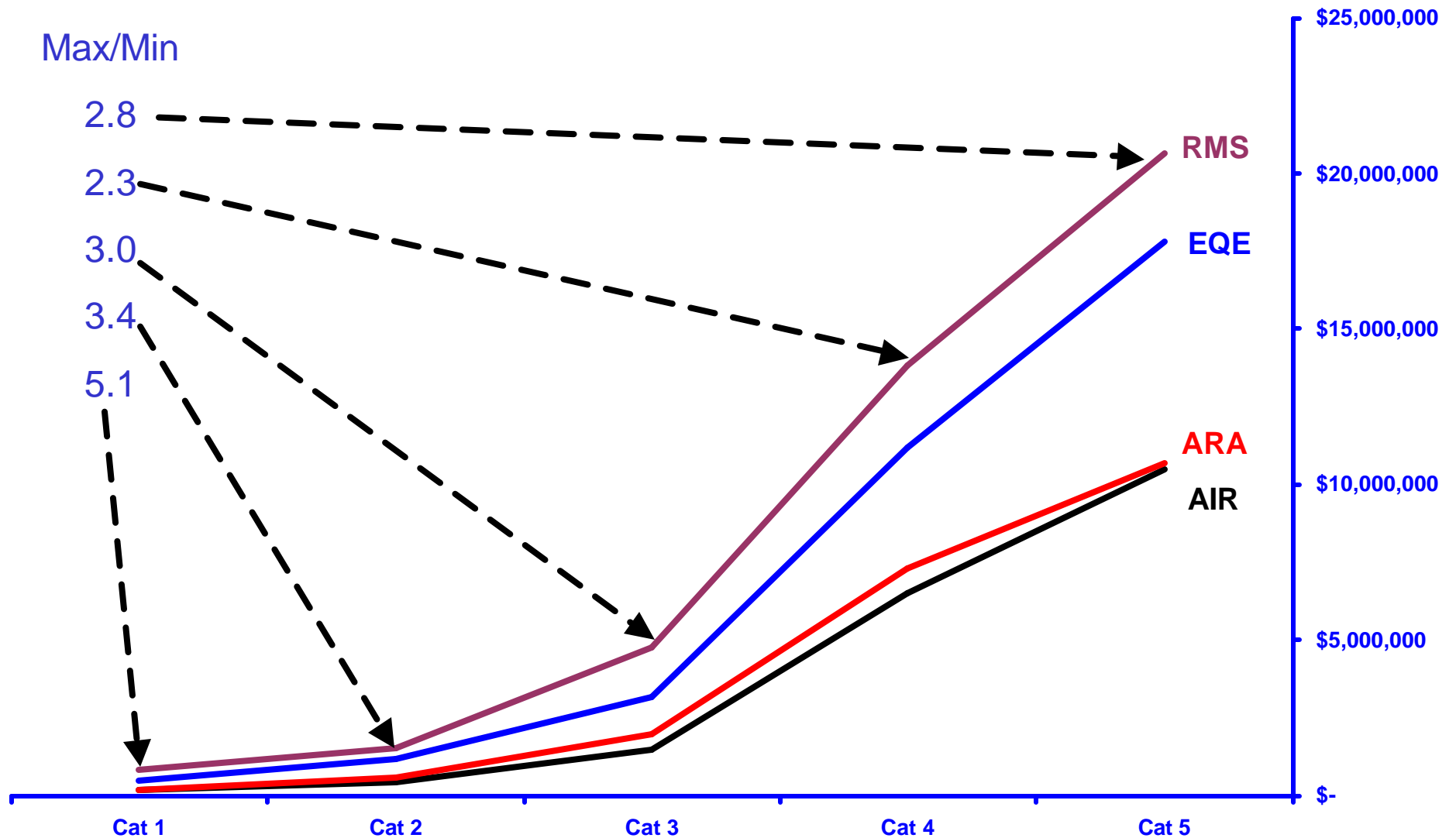
- Ft. Myers
- Ft. Pierce
- Jacksonville
- Panama City
- Miami
- Tampa

5 Cats x 6 Cities = 30 cases
for each loss

Significant differences
exist among modelers

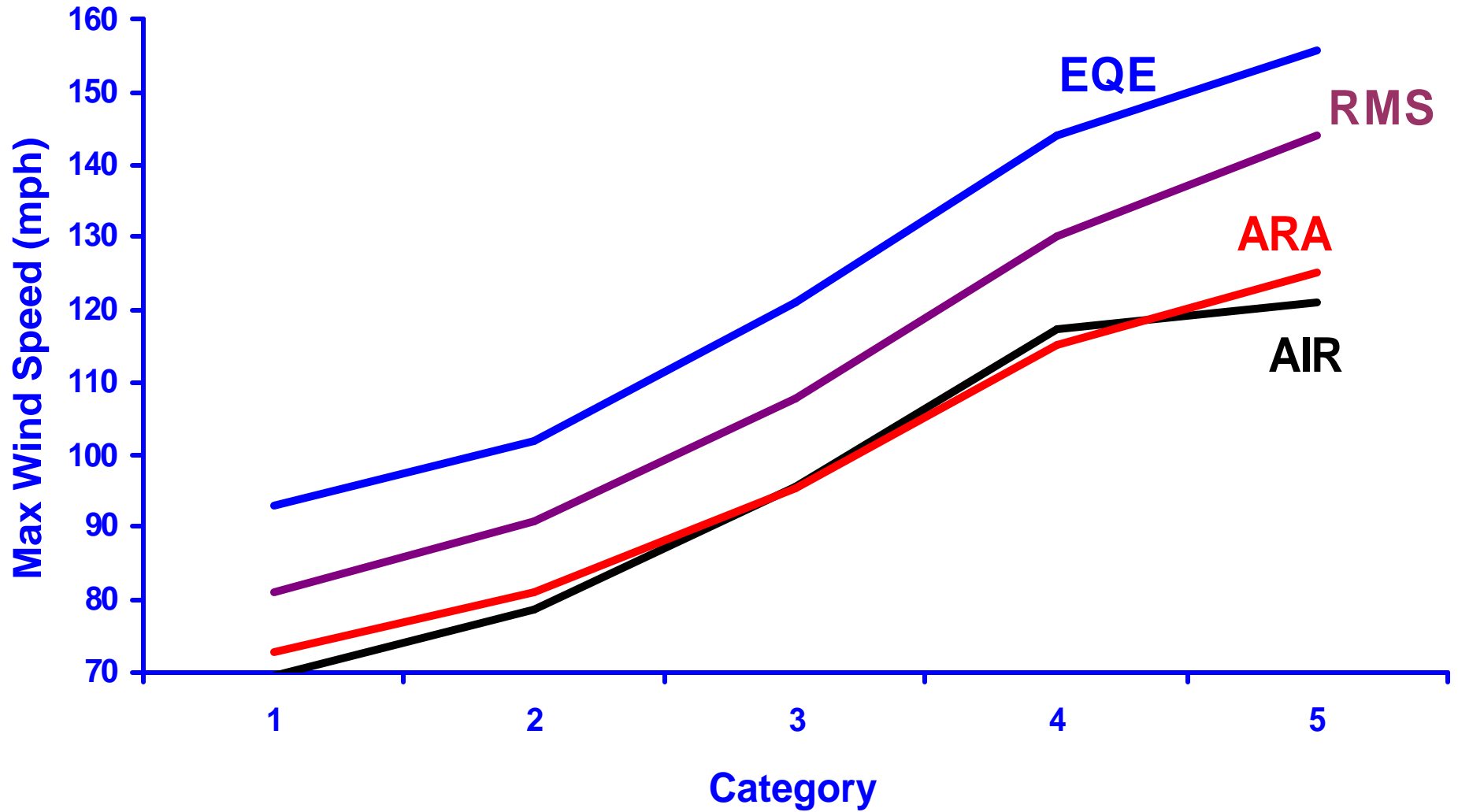


Form B: Total Estimated Loss - Ft. Myers



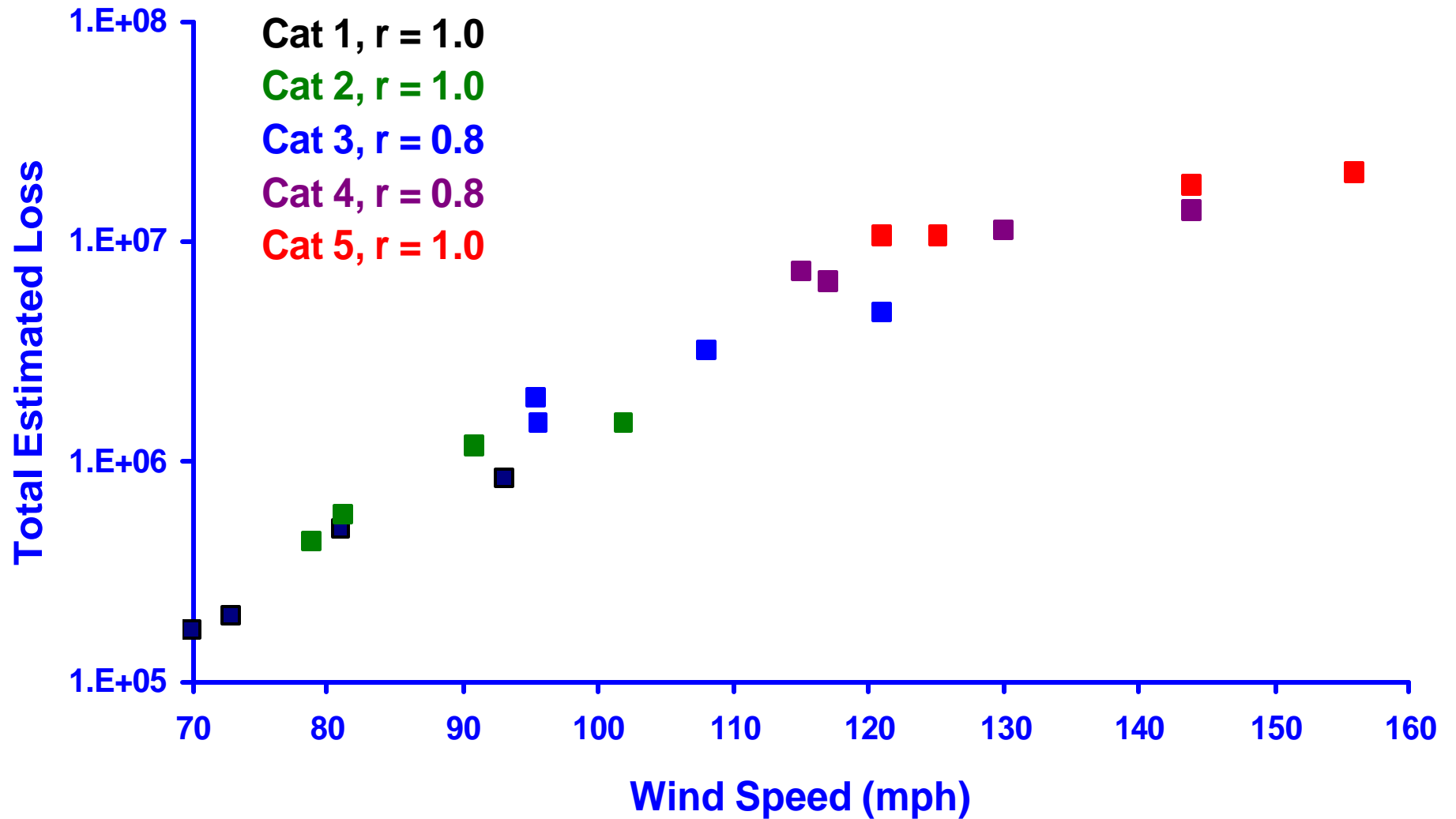


Ft. Myers



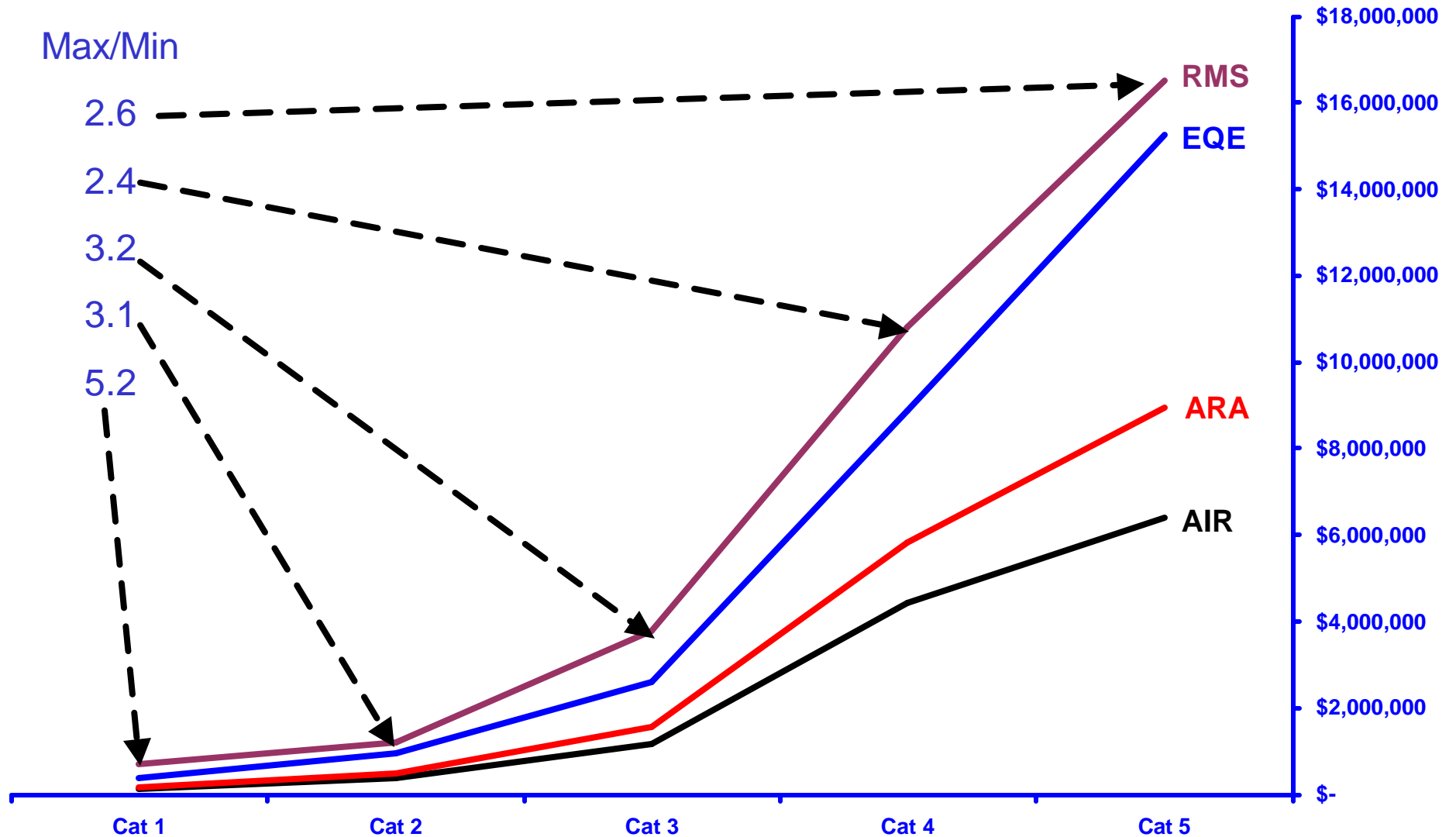


Ft. Myers - Correlation of Max WS & Total Loss



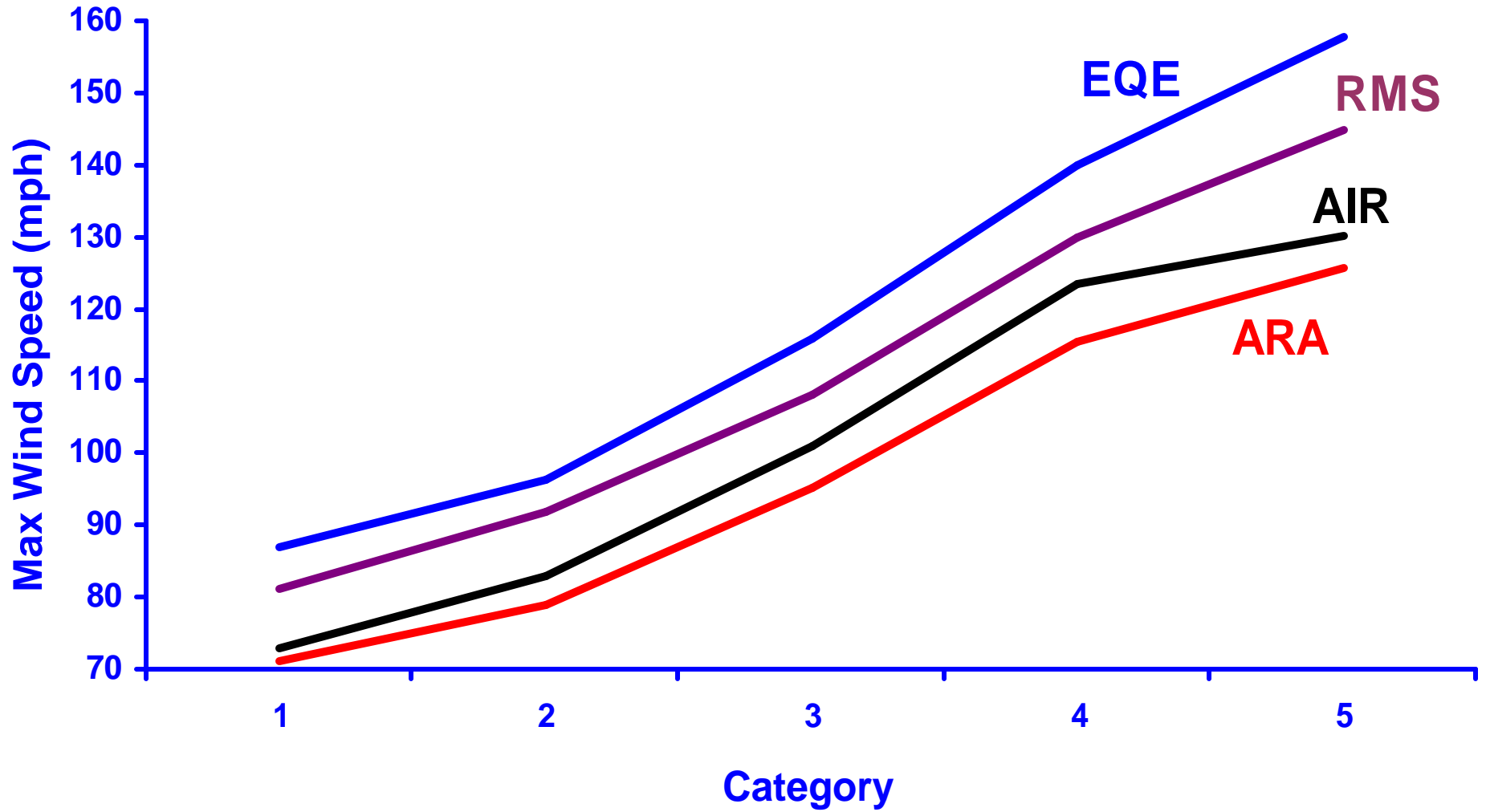


Form B: Total Estimated Loss - Ft. Pierce



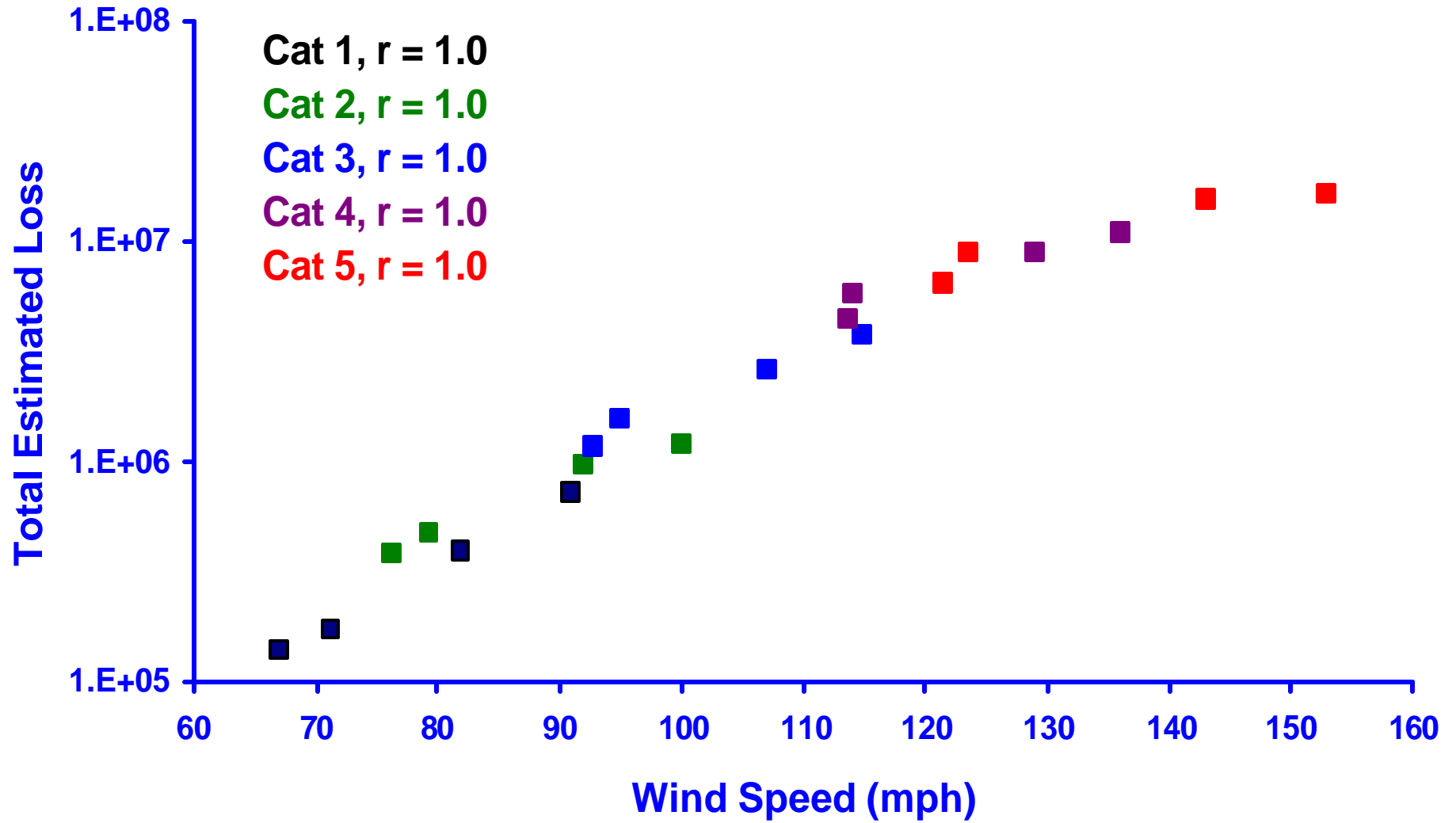


Ft. Pierce



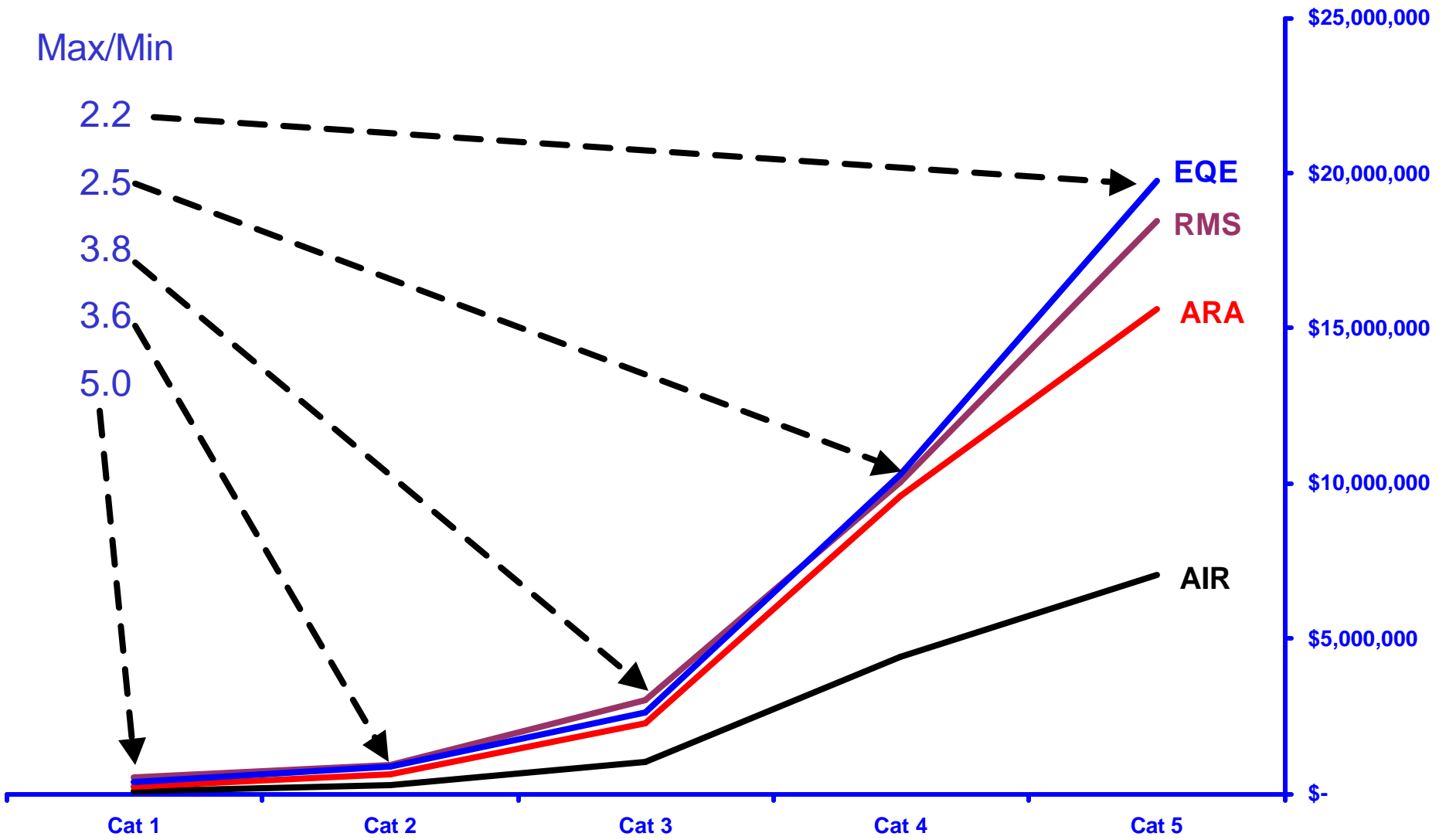


Ft. Pierce - Correlation of Max WS & Total Loss



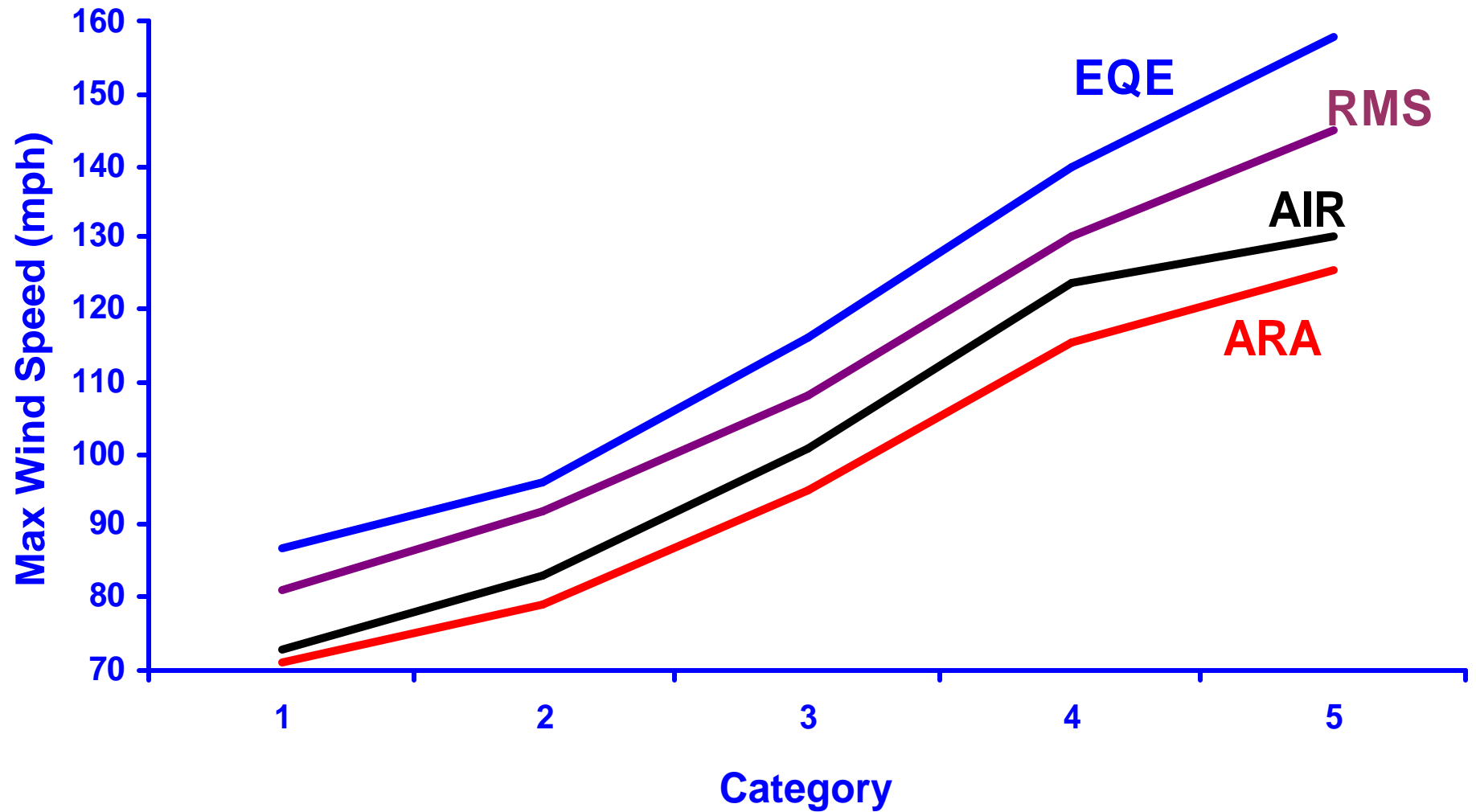


Form B: Total Estimated Loss - Jacksonville



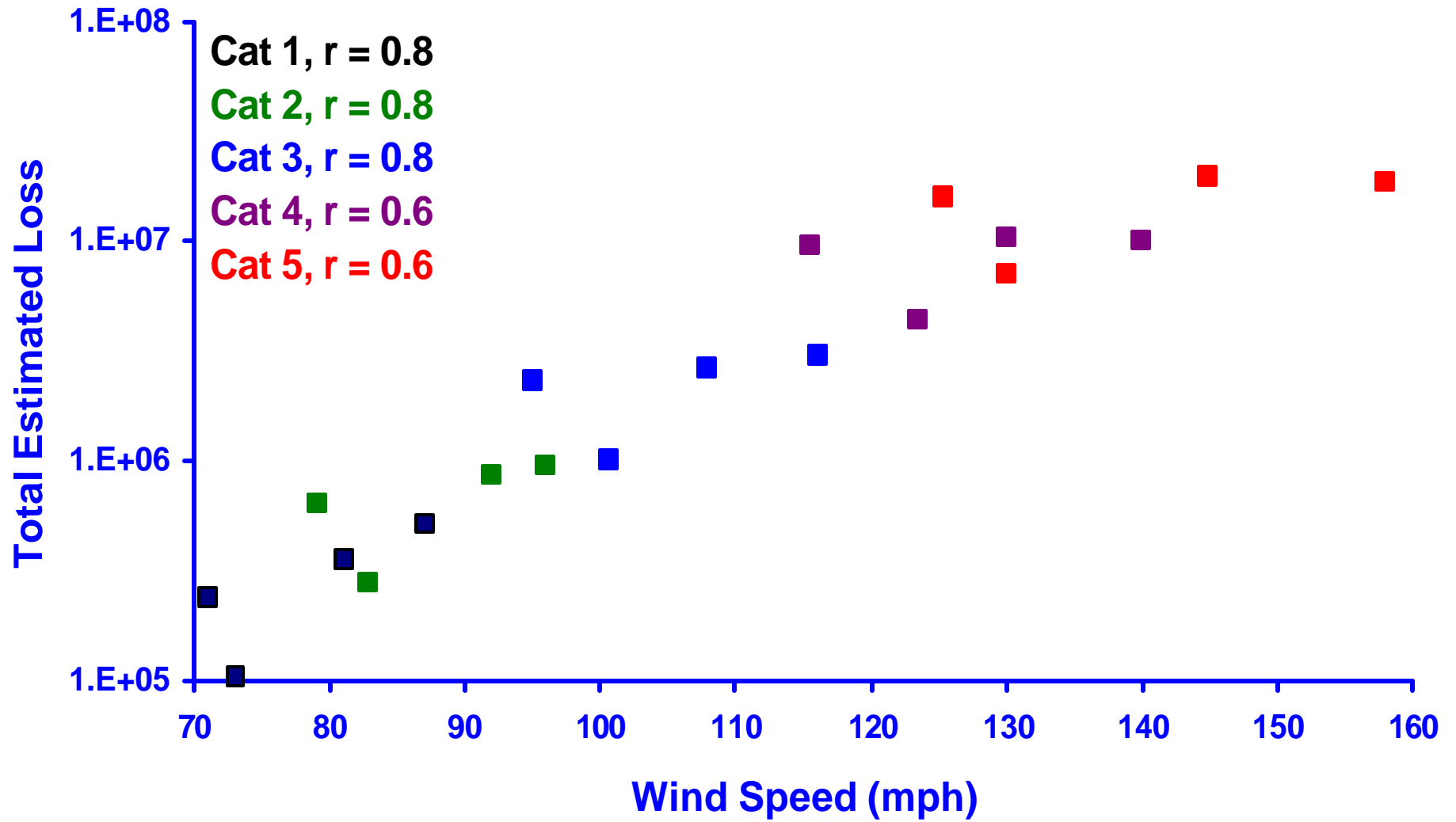


Jacksonville



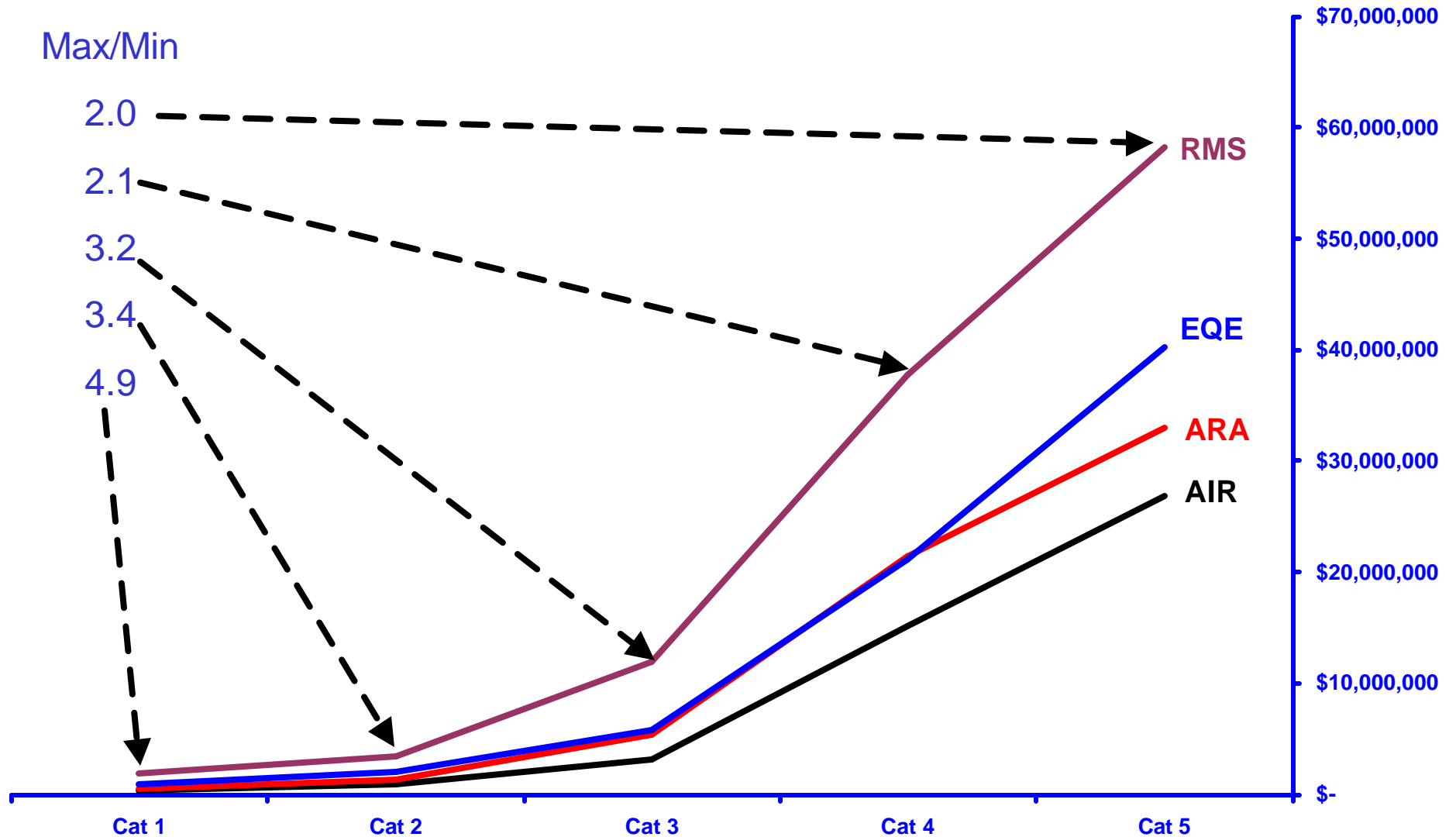


Jacksonville - Correlation of Max WS & Total Loss



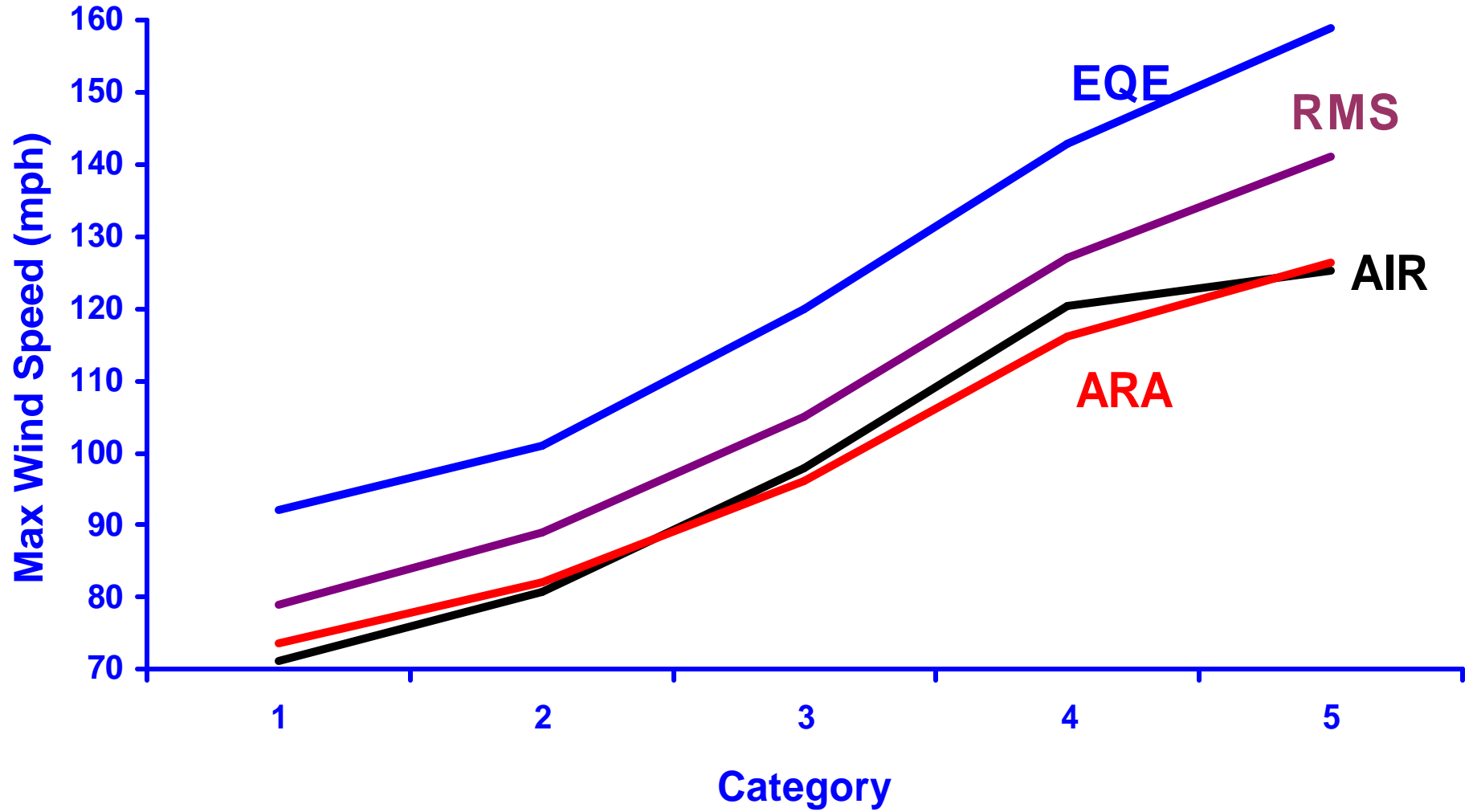


Form B: Total Estimated Loss - Miami



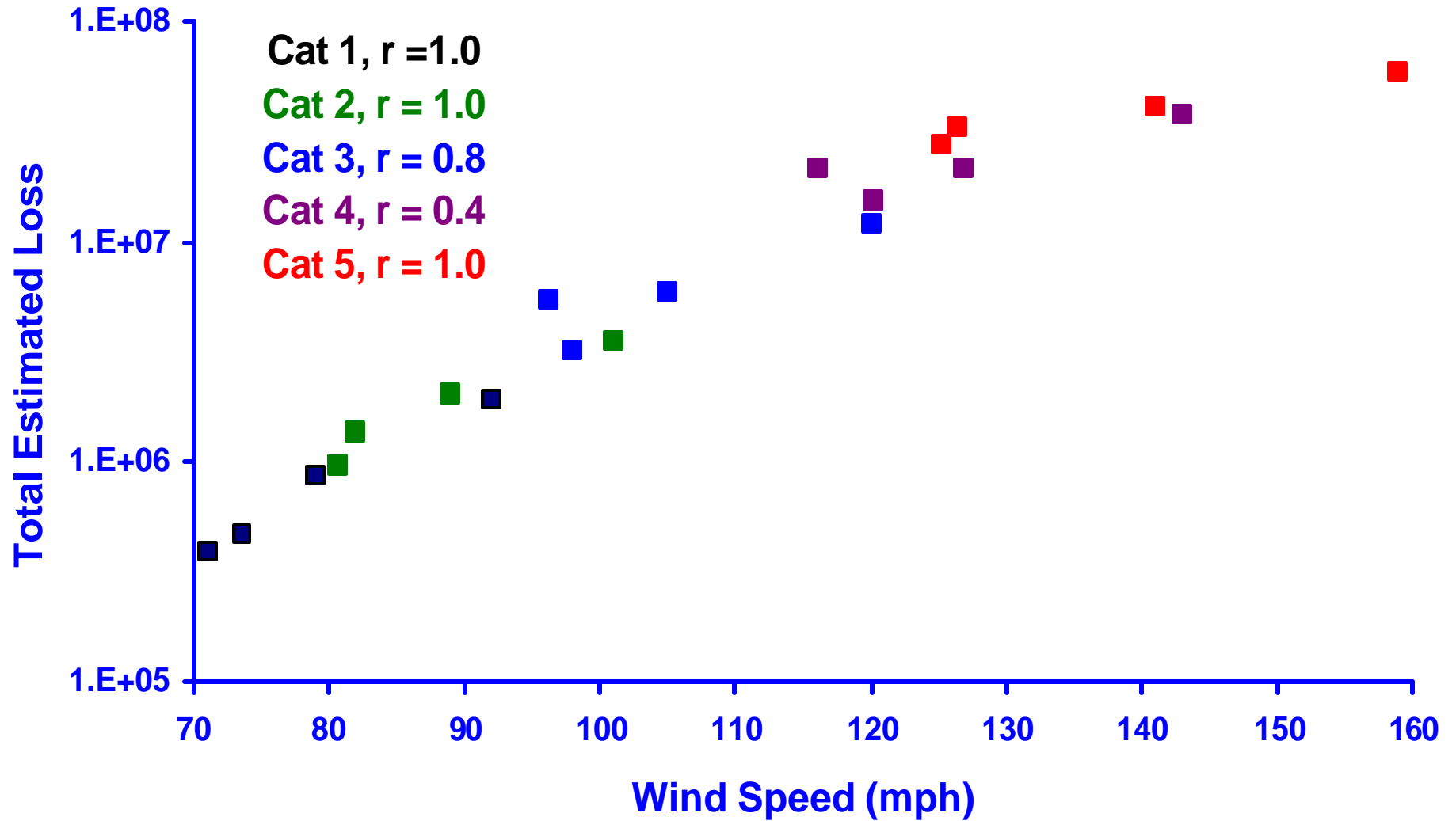


Miami



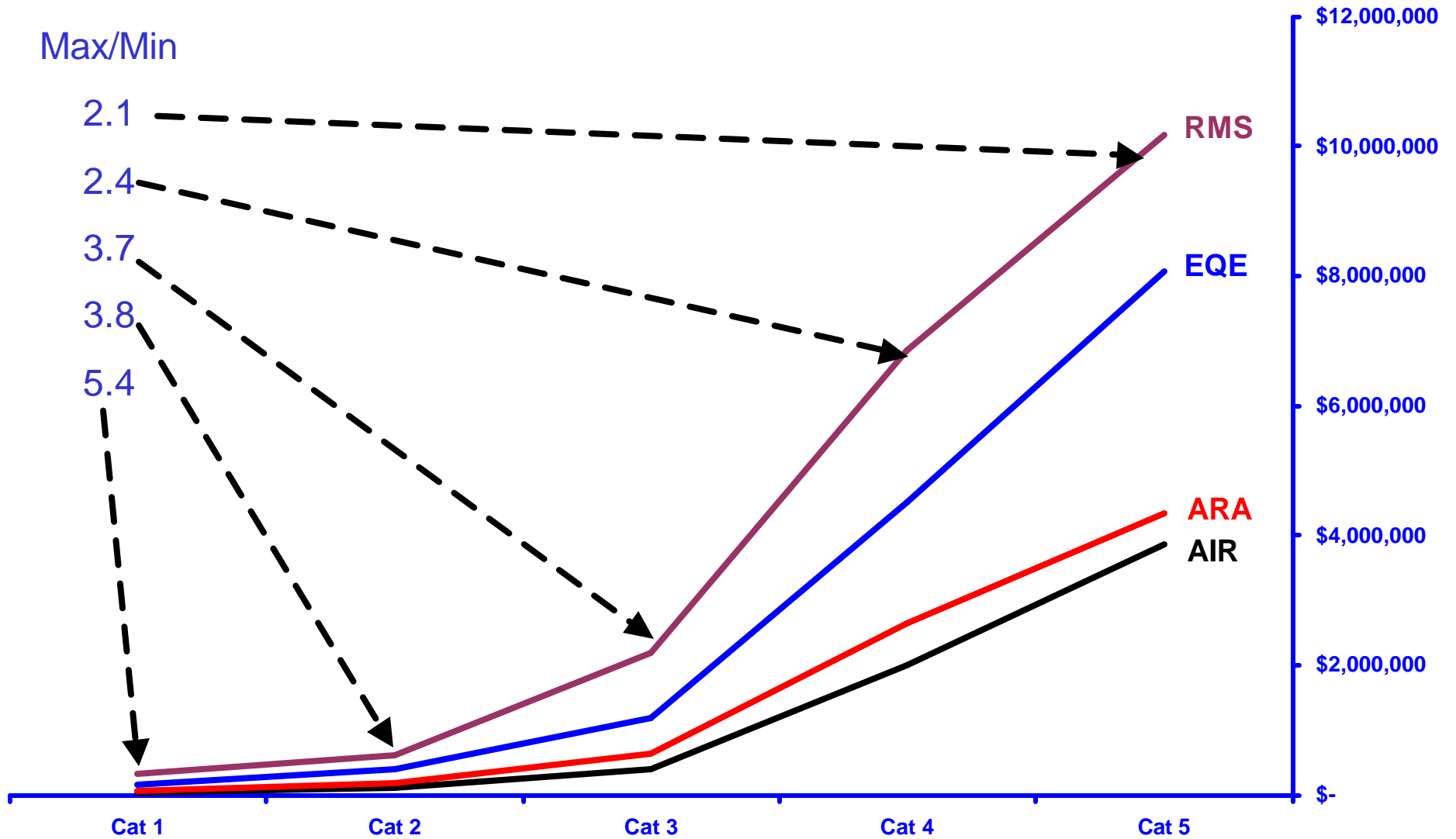


Miami - Correlation of Max WS & Total Loss



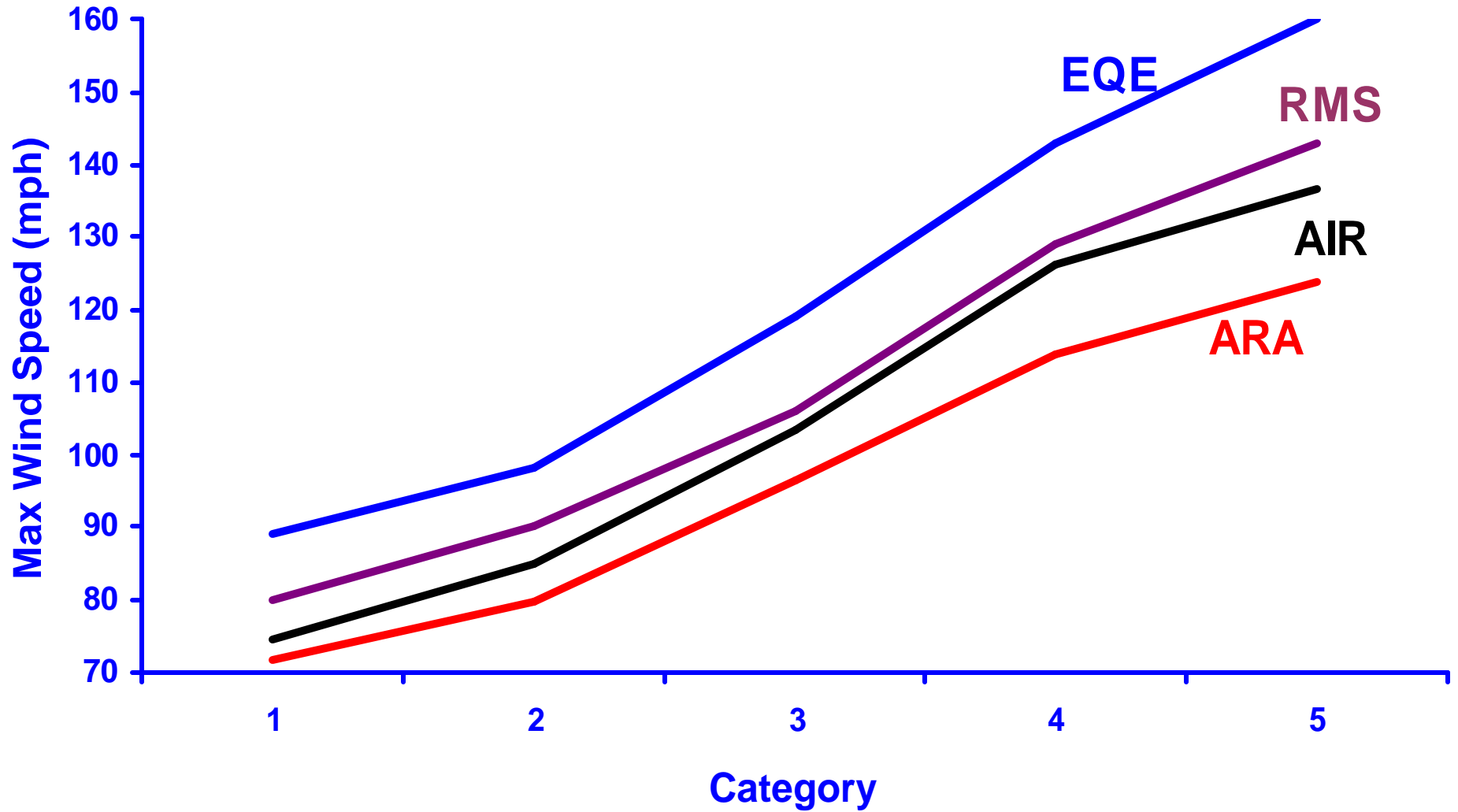


Form B: Total Estimated Loss - Panama City



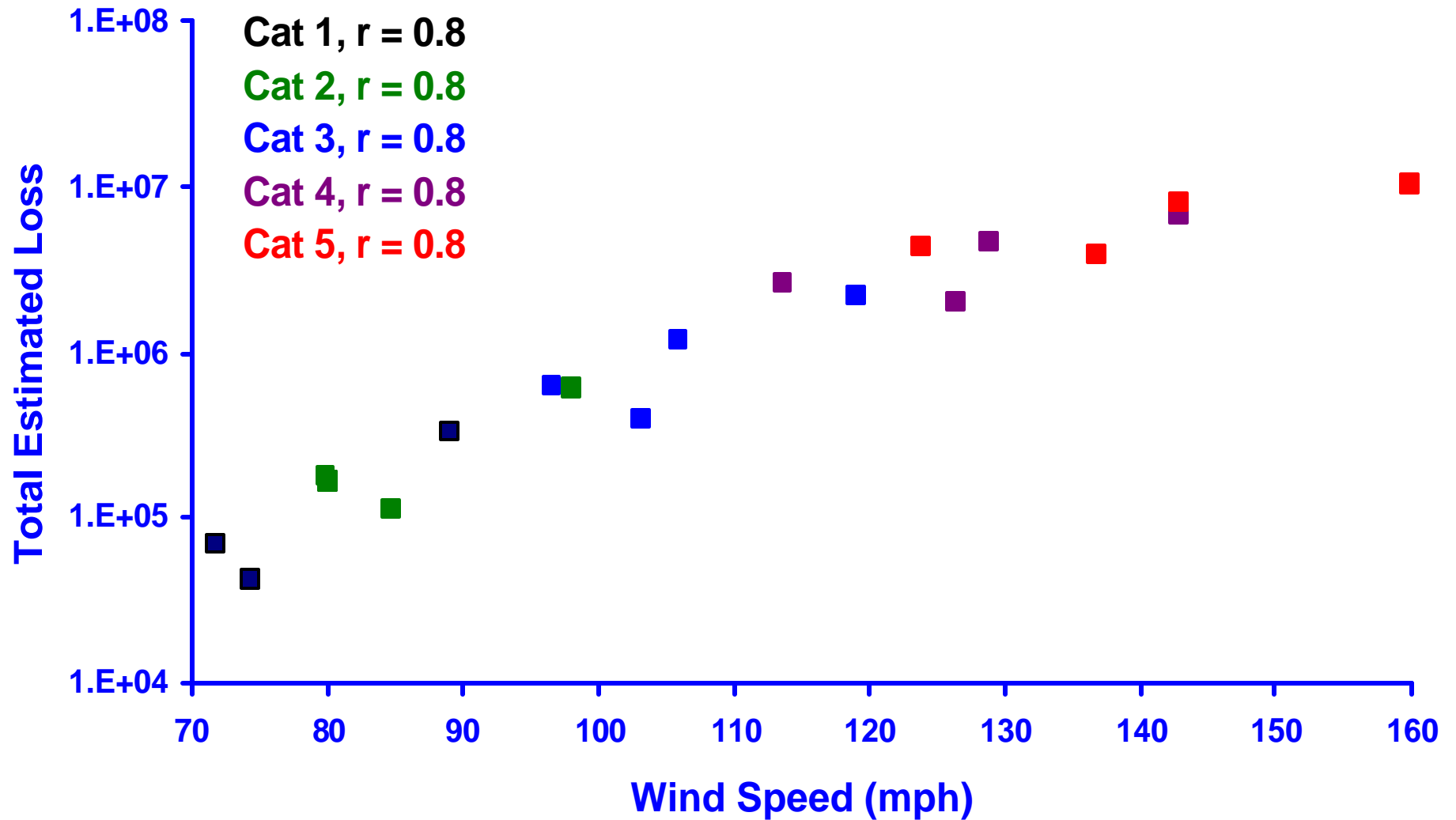


Panama City



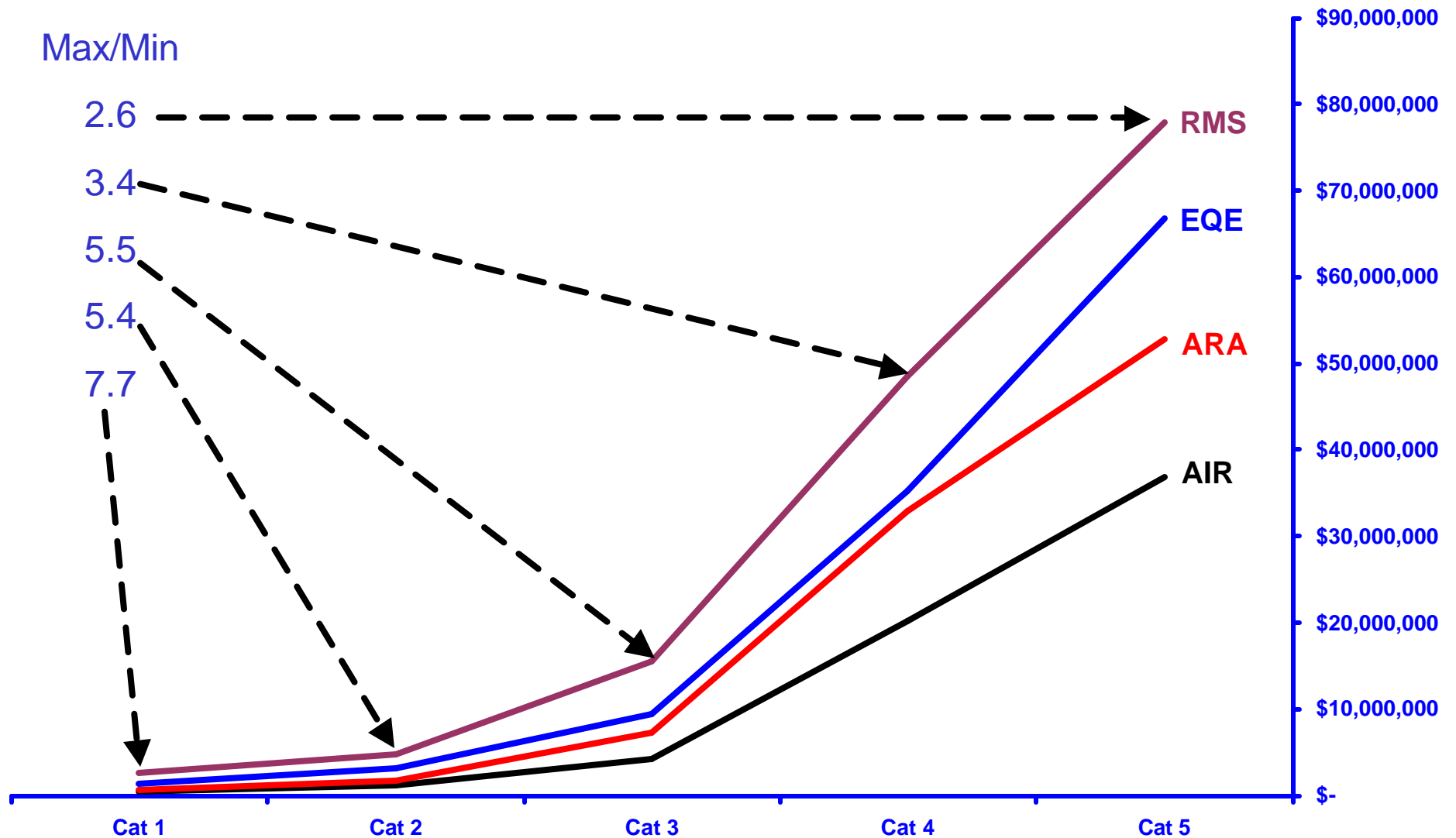


Panama City - Correlation of Max WS & Total Loss



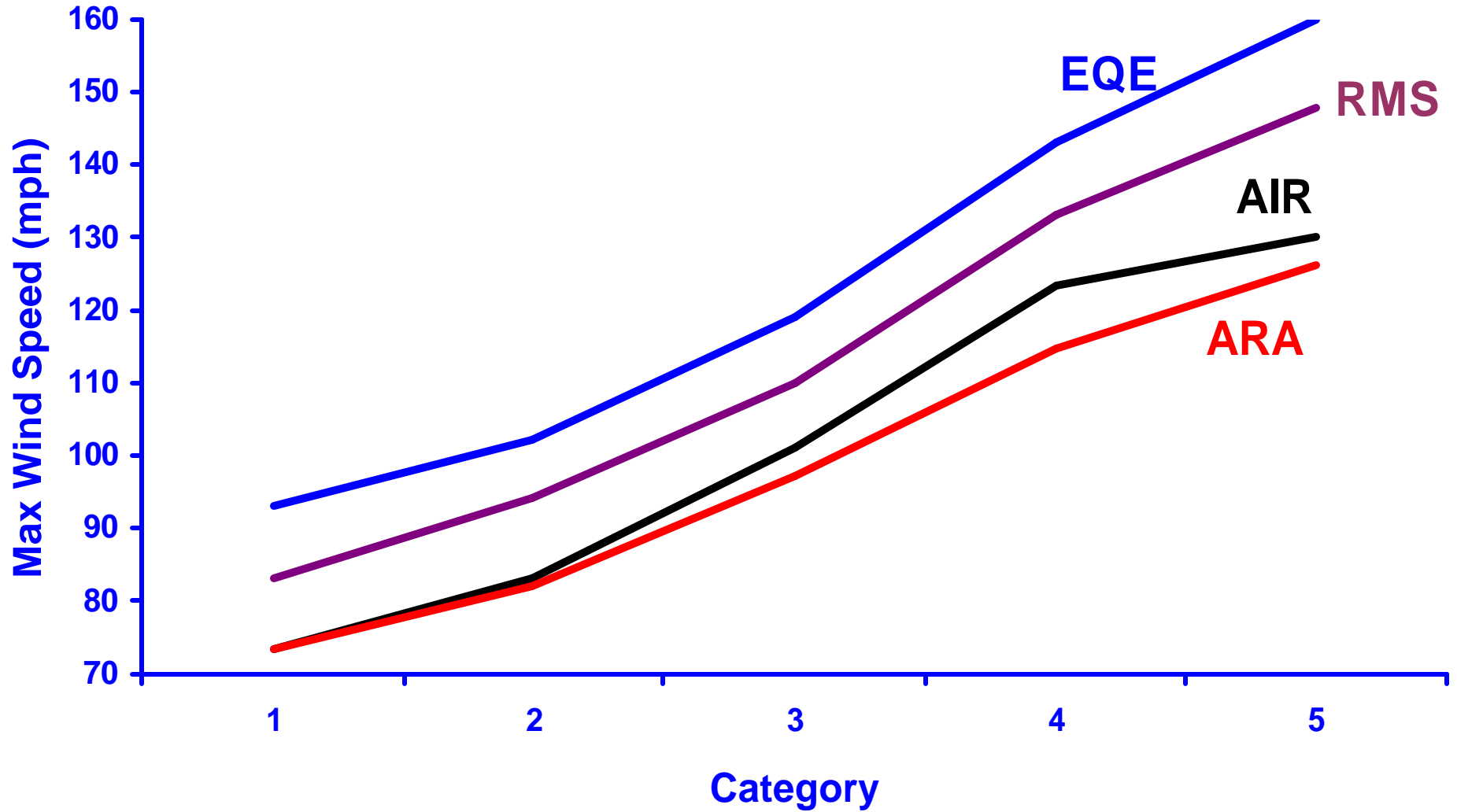


Form B: Total Estimated Loss - Tampa



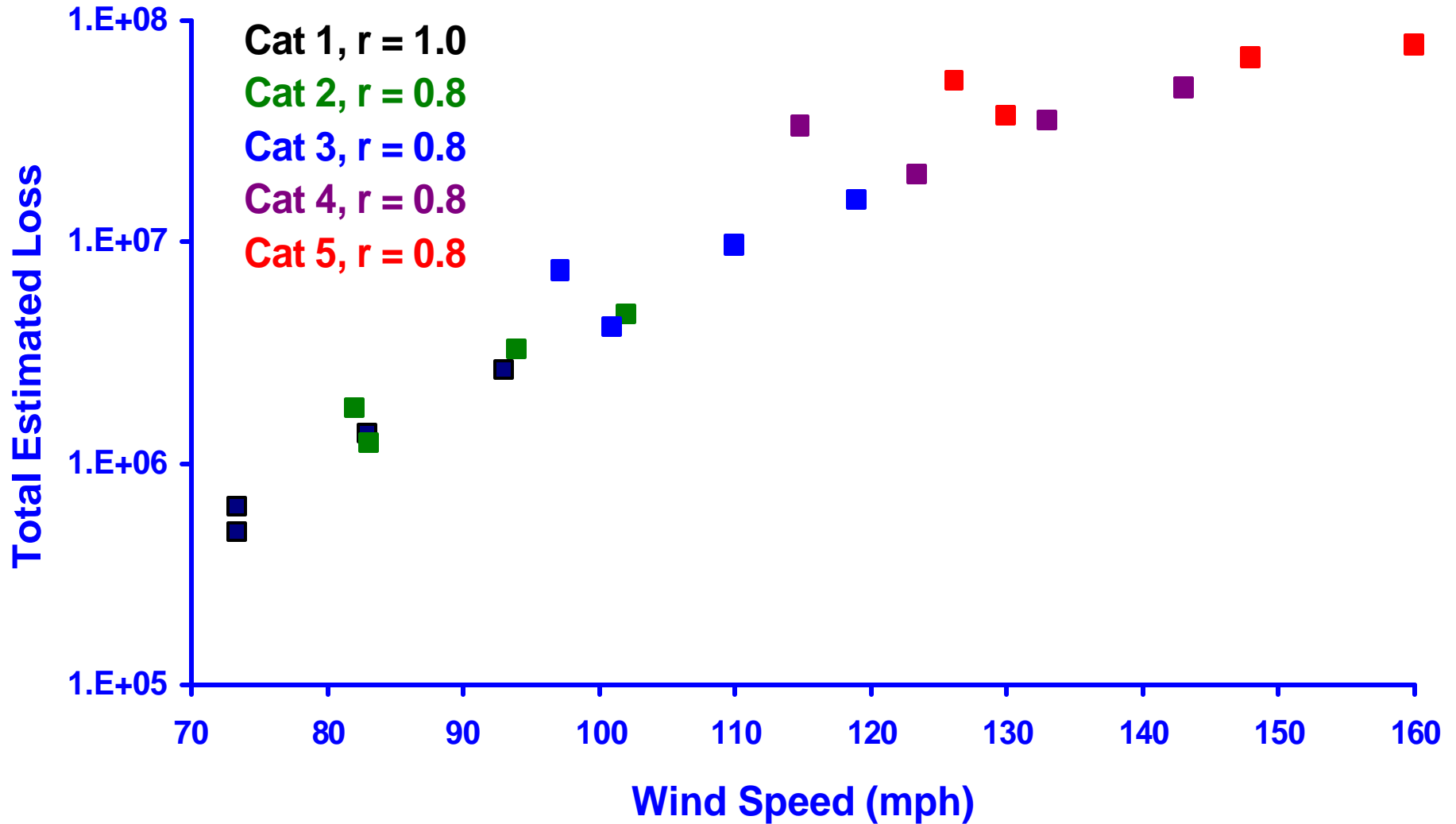


Tampa





Tampa - Correlation of Max WS & Total Loss



Ranking of Losses by Modeler within Cities by Category

	Total					Loss A					Loss C					Loss D			
	AIR	ARA	EQE	RMS		AIR	ARA	EQE	RMS		AIR	ARA	EQE	RMS		AIR	ARA	EQE	RMS
Cat 1																			
Ft M	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
Ft P	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
JV	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
Mia	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
PC	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
Tam	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
Cat 2																			
Ft M	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
Ft P	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
JV	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
Mia	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
PC	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
Tam	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
Cat 3																			
Ft M	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
Ft P	1	2	3	4		1	2	3	4		1	2	4	3		1	2	3	4
JV	1	2	3	4		1	2	3	4		1	2	4	3		1	3	2	4
Mia	1	2	3	4		1	3	2	4		1	2	4	3		1	3	2	4
PC	1	2	3	4		1	2	3	4		1	2	4	3		1	2	3	4
Tam	1	2	3	4		1	2	3	4		1	2	4	3		1	3	2	4
Cat 4																			
Ft M	1	2	3	4		1	2	3	4		2	1	4	3		1	3	2	4
Ft P	1	2	3	4		1	2	3	4		1	2	4	3		1	3	2	4
JV	1	2	4	3		1	3	4	2		1	2	4	3		1	4	2	3
Mia	1	3	2	4		1	3	2	4		1	2	4	3		1	3	2	4
PC	1	2	3	4		1	2	3	4		1	2	4	3		1	2	3	4
Tam	1	2	3	4		1	2	3	4		1	2	4	3		1	3	2	4
Cat 5																			
Ft M	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
Ft P	1	2	3	4		1	2	3	4		1	2	4	3		1	2	3	4
JV	1	2	4	3		1	2	4	3		1	2	4	3		1	4	2	3
Mia	1	2	3	4		1	2	3	4		1	2	4	3		1	3	2	4
PC	1	2	3	4		1	2	3	4		2	1	4	3		1	2	3	4
Tam	1	2	3	4		1	2	3	4		1	2	4	3		1	3	2	4

Ranking of Losses by City within Modeler by Category

	Total					Loss A					Loss C					Loss D			
	RMS	AIR	ARA	EQE		RMS	AIR	ARA	EQE		RMS	AIR	ARA	EQE		RMS	AIR	ARA	EQE
Cat 1 PC	1	1	1	1		1	1	1	1		1	1	3	1		1	2	1	1
JV	2	2	4	2		2	2	4	2		2	2	5	2		2	1	2	2
Ft P	3	3	2	3		3	3	2	3		3	3	1	3		4	3	3	3
Ft M	4	4	3	4		4	4	3	4		4	4	2	4		3	6	4	4
Mia	5	5	5	5		5	5	5	5		5	5	4	5		5	5	6	5
Tam	6	6	6	6		6	6	6	6		6	6	6	6		6	4	5	6
Cat 2 PC	1	1	1	1		1	1	1	1		1	1	2	1		1	1	1	1
JV	2	2	4	2		2	2	4	2		2	2	4	2		2	2	2	2
Ft P	3	3	2	3		3	3	2	3		3	3	1	3		3	3	3	3
Ft M	4	4	3	4		4	4	3	4		4	4	3	4		4	4	4	4
Mia	5	5	5	5		5	5	5	5		5	5	5	5		5	6	5	5
Tam	6	6	6	6		6	6	6	6		6	6	6	6		6	5	6	6
Cat 3 PC	1	1	1	1		1	1	1	1		1	1	1	1		1	1	1	1
JV	2	2	4	3		2	2	4	3		2	2	4	3		2	2	4	3
Ft P	3	3	2	2		3	3	2	2		3	3	2	2		3	3	2	2
Ft M	4	4	3	4		4	4	3	4		4	4	3	4		4	4	3	4
Mia	5	5	5	5		5	5	5	5		5	5	5	5		5	5	5	5
Tam	6	6	6	6		6	6	6	6		6	6	6	6		6	6	6	6
Cat 4 PC	1	1	1	1		1	1	1	1		1	1	1	1		1	1	1	1
JV	2	2	4	3		2	2	4	3		2	3	4	3		2	3	4	3
Ft P	3	3	2	2		3	3	2	2		3	2	2	2		3	2	2	2
Ft M	4	4	3	4		4	4	3	4		4	4	3	4		4	4	3	4
Mia	5	5	5	5		5	5	5	5		5	5	5	5		5	5	5	5
Tam	6	6	6	6		6	6	6	6		6	6	6	6		6	6	6	6
Cat 5 PC	1	1	1	1		1	1	1	1		1	1	1	1		1	1	1	1
JV	3	3	4	4		3	3	4	4		3	3	4	4		3	3	4	4
Ft P	2	2	2	2		2	2	2	2		2	2	2	2		2	2	2	2
Ft M	4	4	3	3		4	4	3	3		4	4	3	3		4	4	3	3
Mia	5	5	5	5		5	5	5	5		5	5	5	5		5	5	5	5
Tam	6	6	6	6		6	6	6	6		6	6	6	6		6	6	6	6



Form B Summary for Total Estimated & Loss A

Total Estimated Loss

	1 (low)	2	3	4 (high)
AIR	30			
ARA		29	1	
EQE		1	27	2
RMS			2	28

Loss A

	1 (low)	2	3	4 (high)
AIR	30			
ARA		27	3	
EQE		2	26	2
RMS		1	1	28



Form B Summary for Loss C

Cat 1 and 2

	1 (low)	2	3	4 (high)
AIR		12		
ARA	12			
EQE			12	
RMS				12

Cat 3, 4 and 5

	1 (low)	2	3	4 (high)
AIR	14	4		
ARA	4	14		
EQE			18	
RMS				18



Form B Summary for Loss D

Cat 1 and 2

	1 (low)	2	3	4 (high)
AIR	12			
ARA		12		
EQE			12	
RMS				12

Cat 3, 4 and 5

	1 (low)	2	3	4 (high)
AIR	18			
ARA		7	9	2
EQE		11	7	
RMS			2	16