Appendix B: Mandate Risk and the Movement of Peacekeepers

Table 5: All Models Including Observer Missions, Part 1

	No Interactions				Risk Ratio and Death Interactions			
	(17) Battle Deaths	(18) Total OSV	(19) Rebel OSV	(20) Gov OSV	(21) Battle Deaths	(22) Total OSV	(23) Rebel OSV	(24) Gov OSV
Risk Ratio$_{t-1}$	-8.547**	-8.338**	-9.102**	-8.950**	-8.561**	-8.335**	-9.100**	-8.951**
	(1.772)	(1.676)	(1.703)	(1.782)	(1.777)	(1.680)	(1.706)	(1.783)
Battle Deaths$_{t-1}$	0.012**				-0.049			
	(0.004)				(0.053)			
Months Since Last Battle Death	-0.021**				-0.021**			
	(0.005)				(0.005)			
Total One Sided Violence$_{t-1}$		0.019**				0.066		
		(0.003)				(0.092)		
Months Since Last OSV Death		-0.022**				-0.022**		
		(0.006)				(0.006)		
Rebel One Sided Violence$_{t-1}$			0.021**				0.062	
			(0.004)				(0.108)	
Months Since Last Rebel OSV			-0.022**				-0.021**	
			(0.007)				(0.007)	
Government One Sided Violence$_{t-1}$				-0.008				0.898
				(0.007)				(0.721)
Months Since Last Government OSV				-0.020**				-0.020**
				(0.006)				(0.006)
FC Duration$_{t-1}$	0.029**	0.027*	0.026*	0.026*	0.029**	0.027*	0.026*	0.026*
	(0.011)	(0.011)	(0.011)	(0.011)	(0.011)	(0.011)	(0.011)	(0.011)
Risk Ratio$_{t-1}$ x Battle Deaths$_{t-1}$					0.075			
					(0.067)			
Risk Ratio$_{t-1}$ x OSV Total$_{t-1}$						-0.056		
						(0.107)		
Risk Ratio$_{t-1}$ x OSV Rebs$_{t-1}$							-0.048	
							(0.126)	
Risk Ratio$_{t-1}$ x OSV Gov$_{t-1}$								-1.368
								(1.036)
Night Lights$_{t-1}$	0.145*	0.162*	0.270**	0.148*	0.145*	0.162*	0.270**	0.148*
	(0.073)	(0.071)	(0.091)	(0.067)	(0.073)	(0.071)	(0.091)	(0.068)
Proportion of Year in Drought$_{t-1}$	-0.803	-0.664	-0.772	-1.002	-0.795	-0.666	-0.773	-1.002
	(0.794)	(0.771)	(0.812)	(0.760)	(0.794)	(0.773)	(0.814)	(0.760)
Proportion of Mountainous Terrain$_{t-1}$	-0.071	-0.082	-0.078	-0.296	-0.065	-0.084	-0.079	-0.298
	(0.745)	(0.729)	(0.831)	(0.726)	(0.744)	(0.729)	(0.832)	(0.727)
Distance to Nearest Unit$_{t-1}$ (Hundred km)	-0.096**	-0.096**	-0.095**	-0.101**	-0.096**	-0.096**	-0.095**	-0.101**
	(0.014)	(0.014)	(0.014)	(0.015)	(0.014)	(0.014)	(0.014)	(0.015)
Distance to Own Border$_{t-1}$ (Hundred km)	-0.597**	-0.615**	-0.632**	-0.642**	-0.598**	-0.614**	-0.632**	-0.643**
	(0.122)	(0.117)	(0.117)	(0.124)	(0.123)	(0.117)	(0.117)	(0.124)
Distance to Capital$_{t-1}$ (Hundred km)	-0.138**	-0.137*	-0.130*	-0.106†	-0.138**	-0.137*	-0.130*	-0.106†

Continued on next page

Table 5: All Models Including Observer Missions, Part 1

	No Interactions				Risk Ratio and Death Interactions			
	(17) Battle Deaths	(18) Total OSV	(19) Rebel OSV	(20) Gov OSV	(21) Battle Deaths	(22) Total OSV	(23) Rebel OSV	(24) Gov OSV
	(0.054)	(0.055)	(0.056)	(0.055)	(0.053)	(0.055)	(0.055)	(0.055)
Days to Urban Center$_{t-1}$	-10.600**	-10.707**	-10.880**	-11.508**	-10.603**	-10.705**	-10.879**	-11.509**
	(1.308)	(1.349)	(1.367)	(1.466)	(1.308)	(1.348)	(1.367)	(1.466)
Headquarters$_{t-1}$	0.648	0.615	1.178	0.727	0.650	0.615	1.178	0.731
	(0.458)	(0.452)	(0.815)	(0.455)	(0.459)	(0.452)	(0.815)	(0.456)
Zone of Confidence$_{t-1}$	-1.783*	-1.956*	-1.940*	-1.991*	-1.781*	-1.956*	-1.940*	-1.994*
	(0.815)	(0.844)	(0.902)	(0.892)	(0.815)	(0.844)	(0.902)	(0.894)
Neighboring Troops$_{t-1}$ (Thousands, Logged)	1.407**	1.506**	1.557**	1.418**	1.407**	1.506**	1.557**	1.420**
	(0.515)	(0.483)	(0.494)	(0.461)	(0.515)	(0.483)	(0.494)	(0.462)
Troop Quality$_{t-1}$ (Millions of Dollars)	0.046**	0.049**	0.040**	0.046**	0.046**	0.049**	0.040**	0.046**
	(0.013)	(0.013)	(0.014)	(0.013)	(0.013)	(0.013)	(0.014)	(0.013)
Number of Troops in Cell$_{t-1}$ (Lagged)	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Constant	12.343**	12.368**	12.930**	12.898**	12.352**	12.365**	12.929**	12.900**
	(1.708)	(1.670)	(1.730)	(1.887)	(1.712)	(1.673)	(1.732)	(1.888)
lnalpha	5.178**	5.180**	5.195**	5.200**	5.178**	5.180**	5.195**	5.200**
	(0.371)	(0.369)	(0.372)	(0.371)	(0.371)	(0.369)	(0.372)	(0.371)
Observations	212228	212264	212275	212275	212228	212264	212275	212275

Mission clustered standard errors in parentheses
Dependent Variable is troop counts
Randomly selected 25% of grid-mission-month cells
Restricted to 200 deaths
$\dagger p < 0.10, *p < 0.05, **p < 0.01$. Two-tailed test.

Table 6: All Models Including Observer Missions, Part 2

	Risk Ratio and Time Interactions				Risk Ratio and FC Duration Interactions			
	(25) Battle Deaths	(26) Total OSV	(27) Rebel OSV	(28) Gov OSV	(29) Battle Deaths	(30) Total OSV	(31) Rebel OSV	(32) Gov OSV
Risk Ratio	-13.198**	-13.886**	-14.671**	-13.363**	-7.811**	-7.480**	-8.163**	-8.040**
	(2.188)	(2.399)	(2.416)	(2.629)	(1.813)	(1.694)	(1.707)	(1.835)
Battle Deaths	0.014**				0.012**			
	(0.004)				(0.004)			
Months Since Last Battle Death	-0.061**				-0.021**			
	(0.022)				(0.005)			
Total One Sided Violence		0.018**				0.019**		
		(0.003)				(0.004)		
Months Since Last OSV Death		-0.068**				-0.022**		
		(0.023)				(0.006)		
Rebel One Sided Violence			0.020**				0.022**	
			(0.003)				(0.004)	
Months Since Last Rebel OSV			-0.065**				-0.021**	
			(0.022)				(0.007)	
Government One Sided Violence				-0.014†				-0.008
				(0.007)				(0.008)
Months Since Last Government OSV				-0.055*				-0.019**
				(0.023)				(0.006)
FC Duration	0.025*	0.023*	0.023*	0.023*	0.069	0.074	0.078	0.076
	(0.011)	(0.011)	(0.011)	(0.011)	(0.093)	(0.093)	(0.095)	(0.099)
Risk Ratio x Time Since Death	0.048†							
	(0.026)							
Risk Ratio x Time Since OSV Total		0.056*						
		(0.028)						
Risk Ratio x Time Since OSV Rebs			0.054*					
			(0.026)					
Risk Ratio x Time Since OSV Gov				0.044				
				(0.029)				
Risk Ratio x FC Duration					-0.051	-0.060	-0.065	-0.063
					(0.108)	(0.108)	(0.111)	(0.115)
Night Lights	0.122†	0.139*	0.224**	0.133†	0.146*	0.163*	0.271**	0.149*
	(0.064)	(0.071)	(0.086)	(0.070)	(0.073)	(0.071)	(0.091)	(0.068)
Proportion of Year in Drought	-1.065	-0.928	-1.049	-1.170	-0.825	-0.694	-0.807	-1.027
	(0.917)	(0.887)	(0.911)	(0.797)	(0.775)	(0.748)	(0.791)	(0.736)
Proportion of Mountainous Terrain	-0.393	-0.442	-0.469	-0.584	-0.065	-0.072	-0.063	-0.290
	(0.649)	(0.656)	(0.713)	(0.652)	(0.745)	(0.729)	(0.832)	(0.728)
Distance to Nearest Unit (Hundred km)	-0.089**	-0.089**	-0.087**	-0.096**	-0.097**	-0.097**	-0.096**	-0.103**
	(0.014)	(0.014)	(0.014)	(0.016)	(0.014)	(0.014)	(0.014)	(0.015)

Continued on next page

Table 6: All Models Including Observer Missions, Part 2

	Risk Ratio and Time Interactions				Risk Ratio and FC Duration Interactions			
	(25) Battle Deaths	(26) Total OSV	(27) Rebel OSV	(28) Gov OSV	(29) Battle Deaths	(30) Total OSV	(31) Rebel OSV	(32) Gov OSV
Distance to Own Border (Hundred km)	-0.589**	-0.600**	-0.630**	-0.636**	-0.591**	-0.606**	-0.623**	-0.635**
	(0.126)	(0.123)	(0.117)	(0.126)	(0.115)	(0.109)	(0.109)	(0.116)
Distance to Capital (Hundred km)	-0.141**	-0.138**	-0.129*	-0.100†	-0.138**	-0.136*	-0.130*	-0.105†
	(0.051)	(0.052)	(0.053)	(0.056)	(0.053)	(0.054)	(0.055)	(0.054)
Days to Urban Center	-11.208**	-11.387**	-11.652**	-12.145**	-10.519**	-10.610**	-10.775**	-11.407**
	(1.433)	(1.503)	(1.537)	(1.621)	(1.366)	(1.409)	(1.426)	(1.528)
Headquarters	0.829	0.800	1.022	0.893†	0.640	0.594	1.092	0.701†
	(0.528)	(0.539)	(0.731)	(0.522)	(0.439)	(0.421)	(0.727)	(0.420)
Zone of Confidence	-2.105*	-2.302*	-2.287*	-2.235*	-1.735*	-1.906*	-1.911*	-1.943*
	(0.921)	(0.962)	(0.984)	(0.986)	(0.818)	(0.838)	(0.896)	(0.883)
Neighboring Troops (Thousands, Logged)	1.367**	1.455**	1.517**	1.381**	1.391**	1.493**	1.542**	1.405**
	(0.513)	(0.473)	(0.486)	(0.450)	(0.515)	(0.476)	(0.485)	(0.456)
Troop Quality (Millions of Dollars)	0.042**	0.047**	0.043**	0.044**	0.046**	0.050**	0.041**	0.047**
	(0.016)	(0.016)	(0.015)	(0.015)	(0.013)	(0.013)	(0.014)	(0.013)
Number of Troops in Cell (Lagged)	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Constant	16.233**	16.955**	17.544**	16.508**	11.752**	11.676**	12.176**	12.166**
	(1.920)	(2.089)	(2.167)	(2.238)	(1.648)	(1.596)	(1.642)	(1.802)
lnalpha	5.170**	5.169**	5.187**	5.194**	5.178**	5.179**	5.195**	5.199**
	(0.369)	(0.367)	(0.371)	(0.370)	(0.372)	(0.369)	(0.372)	(0.371)
Observations	212228	212264	212275	212275	212228	212264	212275	212275

Mission clustered standard errors in parentheses
Dependent Variable is troop counts
Randomly selected 25% of grid-mission-month cells
Restricted to 200 deaths
$\dagger p < 0.10, *p < 0.05, **p < 0.01$. Two-tailed test.

Table 7: All Models without Death Restrictions, Part 1

	No Interactions				Risk Ratio and Death Interactions			
	(33) Battle Deaths	(34) Total OSV	(35) Rebel OSV	(36) Gov OSV	(37) Battle Deaths	(38) Total OSV	(39) Rebel OSV	(40) Gov OSV
Risk Ratio	-8.634**	-8.451**	-9.218**	-9.114**	-8.636**	-8.452**	-9.217**	-9.114**
	(1.837)	(1.744)	(1.754)	(1.871)	(1.836)	(1.743)	(1.756)	(1.871)
Battle Deaths	-0.000				0.009			
	(0.000)				(0.026)			
Months Since Last Battle Death	-0.023**				-0.023**			
	(0.005)				(0.005)			
Total One Sided Violence		-0.000				0.010		
		(0.000)				(0.039)		
Months Since Last OSV Death		-0.025**				-0.025**		
		(0.005)				(0.005)		
Rebel One Sided Violence			0.016**				0.044	
			(0.003)				(0.087)	
Months Since Last Rebel OSV			-0.024**				-0.024**	
			(0.006)				(0.006)	
Government One Sided Violence				-0.005**				-0.013
				(0.002)				(0.033)
Months Since Last Government OSV				-0.022**				-0.022**
				(0.006)				(0.006)
FC Duration	0.027**	0.026**	0.025**	0.025**	0.027**	0.026**	0.025**	0.025**
	(0.008)	(0.009)	(0.008)	(0.010)	(0.008)	(0.009)	(0.008)	(0.010)
Risk Ratio x Battle Deaths					-0.009			
					(0.026)			
Risk Ratio x OSV Total						-0.010		
						(0.039)		
Risk Ratio x OSV Rebs							-0.033	
							(0.102)	
Risk Ratio x OSV Gov								0.010
								(0.040)
Night Lights	0.144†	0.159*	0.263**	0.139*	0.144†	0.159*	0.263**	0.139*
	(0.080)	(0.074)	(0.092)	(0.069)	(0.080)	(0.074)	(0.092)	(0.069)
Proportion of Year in Drought	-0.091	-0.052	-0.145	-0.416	-0.089	-0.050	-0.146	-0.416
	(0.603)	(0.630)	(0.698)	(0.602)	(0.604)	(0.630)	(0.699)	(0.602)
Proportion of Mountainous Terrain	0.314	0.304	0.375	0.044	0.311	0.302	0.375	0.044
	(0.745)	(0.709)	(0.799)	(0.733)	(0.746)	(0.710)	(0.800)	(0.733)
Distance to Nearest Unit (Hundred km)	-0.095**	-0.095**	-0.093**	-0.101**	-0.095**	-0.095**	-0.093**	-0.101**
	(0.014)	(0.015)	(0.015)	(0.016)	(0.014)	(0.015)	(0.015)	(0.016)
Distance to Own Border (Hundred km)	-0.605**	-0.630**	-0.654**	-0.664**	-0.605**	-0.630**	-0.654**	-0.664**
	(0.131)	(0.127)	(0.125)	(0.133)	(0.131)	(0.127)	(0.126)	(0.133)

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Table 7: All Models without Death Restrictions, Part 1

	No Interactions				Risk Ratio and Death Interactions			
	(33) Battle Deaths	(34) Total OSV	(35) Rebel OSV	(36) Gov OSV	(37) Battle Deaths	(38) Total OSV	(39) Rebel OSV	(40) Gov OSV
Distance to Capital (Hundred km)	-0.145**	-0.144**	-0.138**	-0.111*	-0.145**	-0.144**	-0.138**	-0.111*
	(0.049)	(0.049)	(0.050)	(0.052)	(0.049)	(0.049)	(0.050)	(0.052)
Days to Urban Center	-12.333**	-12.555**	-12.788**	-13.396**	-12.328**	-12.551**	-12.787**	-13.396**
	(1.402)	(1.449)	(1.443)	(1.522)	(1.401)	(1.447)	(1.442)	(1.522)
Headquarters	0.022	-0.026	0.828	0.100	0.024	-0.025	0.828	0.100
	(0.418)	(0.422)	(1.072)	(0.442)	(0.417)	(0.421)	(1.072)	(0.442)
Zone of Confidence	-1.047*	-1.313**	-1.583**	-1.391**	-1.048*	-1.314**	-1.583**	-1.391**
	(0.427)	(0.413)	(0.499)	(0.428)	(0.427)	(0.413)	(0.499)	(0.429)
Neighboring Troops (Thousands, Logged)	1.846**	1.902**	1.946**	1.779**	1.848**	1.903**	1.946**	1.778**
	(0.544)	(0.512)	(0.532)	(0.493)	(0.545)	(0.513)	(0.532)	(0.494)
Troop Quality (Millions of Dollars)	0.030**	0.036**	0.027**	0.033**	0.030**	0.036**	0.027**	0.033**
	(0.007)	(0.008)	(0.010)	(0.008)	(0.007)	(0.008)	(0.010)	(0.008)
Number of Troops in Cell (Lagged)	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Constant	12.660**	12.762**	13.361**	13.348**	12.660**	12.762**	13.360**	13.349**
	(1.735)	(1.700)	(1.724)	(1.923)	(1.736)	(1.700)	(1.727)	(1.923)
lnalpha	5.075**	5.073**	5.088**	5.098**	5.075**	5.073**	5.088**	5.098**
	(0.394)	(0.391)	(0.394)	(0.393)	(0.394)	(0.391)	(0.394)	(0.393)
Observations	197354	197354	197354	197354	197354	197354	197354	197354

Mission clustered standard errors in parentheses
Dependent Variable is troop counts
Randomly selected 25% of grid-mission-month cells
Restricted to non-observer missions
$\dagger p < 0.10, *p < 0.05, **p < 0.01$. Two-tailed test.

Table 8: All Models without Death Restrictions, Part 2

	Risk Ratio and Time Interactions				Risk Ratio and FC Duration Interactions			
	(25) Battle Deaths	(26) Total OSV	(27) Rebel OSV	(28) Gov OSV	(29) Battle Deaths	(30) Total OSV	(31) Rebel OSV	(32) Gov OSV
Risk Ratio$_{t-1}$	-14.211**	-15.124**	-16.190**	-14.576**	-8.905**	-8.583**	-9.230**	-9.241**
	(1.826)	(1.961)	(1.928)	(2.304)	(1.513)	(1.362)	(1.311)	(1.434)
Battle Deaths$_{t-1}$	-0.000				-0.000			
	(0.000)				(0.000)			
Months Since Last Battle Death	-0.070**				-0.023**			
	(0.018)				(0.005)			
Total One Sided Violence$_{t-1}$		-0.000				-0.000		
		(0.000)				(0.000)		
Months Since Last OSV Death		-0.078**				-0.025**		
		(0.018)				(0.005)		
Rebel One Sided Violence$_{t-1}$			0.016**				0.016**	
			(0.003)				(0.003)	
Months Since Last Rebel OSV			-0.078**				-0.024**	
			(0.016)				(0.006)	
Government One Sided Violence$_{t-1}$				-0.005**				-0.005**
				(0.002)				(0.002)
Months Since Last Government OSV				-0.065**				-0.022**
				(0.019)				(0.006)
FC Duration$_{t-1}$	0.024**	0.022**	0.022**	0.022*	0.013	0.019	0.024	0.018
	(0.008)	(0.008)	(0.007)	(0.009)	(0.055)	(0.057)	(0.060)	(0.062)
Risk Ratio$_{t-1}$ x Time Since Death	0.057*							
	(0.023)							
Risk Ratio$_{t-1}$ x Time Since OSV Total		0.067**						
		(0.023)						
Risk Ratio$_{t-1}$ x Time Since OSV Rebs			0.068**					
			(0.021)					
Risk Ratio$_{t-1}$ x Time Since OSV Gov				0.054*				
				(0.025)				
Risk Ratio$_{t-1}$ x FC Duration$_{t-1}$					0.018	0.009	0.001	0.009
					(0.063)	(0.065)	(0.070)	(0.071)
Night Lights$_{t-1}$	0.107†	0.120†	0.194*	0.112†	0.144†	0.158*	0.263**	0.139*
	(0.061)	(0.065)	(0.084)	(0.066)	(0.080)	(0.074)	(0.092)	(0.068)
Proportion of Year in Drought$_{t-1}$	-0.436	-0.412	-0.520	-0.636	-0.087	-0.049	-0.145	-0.415
	(0.778)	(0.798)	(0.832)	(0.640)	(0.607)	(0.630)	(0.696)	(0.602)
Proportion of Mountainous Terrain$_{t-1}$	-0.094	-0.150	-0.133	-0.327	0.312	0.302	0.375	0.043
	(0.662)	(0.654)	(0.698)	(0.669)	(0.744)	(0.709)	(0.801)	(0.733)
Distance to Nearest Unit$_{t-1}$ (Hundred km)	-0.087**	-0.087**	-0.085**	-0.095**	-0.094**	-0.095**	-0.093**	-0.101**
	(0.015)	(0.015)	(0.015)	(0.017)	(0.015)	(0.015)	(0.015)	(0.016)
Distance to Own Border$_{t-1}$ (Hundred km)	-0.595**	-0.612**	-0.650**	-0.658**	-0.608**	-0.632**	-0.654**	-0.665**

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Table 8: All Models without Death Restrictions, Part 2

	Risk Ratio and Time Interactions				Risk Ratio and FC Duration Interactions			
	(41) Battle Deaths	(42) Total OSV	(43) Rebel OSV	(44) Gov OSV	(45) Battle Deaths	(46) Total OSV	(47) Rebel OSV	(48) Gov OSV
	(0.141)	(0.139)	(0.132)	(0.138)	(0.126)	(0.121)	(0.119)	(0.127)
Distance to Capital$_{t-1}$ (Hundred km)	-0.147**	-0.145**	-0.136**	-0.104†	-0.145**	-0.144**	-0.138**	-0.111*
	(0.047)	(0.046)	(0.048)	(0.053)	(0.049)	(0.049)	(0.050)	(0.052)
Days to Urban Center$_{t-1}$	-13.377**	-13.768**	-14.174**	-14.476**	-12.370**	-12.574**	-12.790**	-13.414**
	(1.261)	(1.283)	(1.254)	(1.397)	(1.427)	(1.472)	(1.463)	(1.534)
Headquarters$_{t-1}$	0.266	0.243	0.517	0.339	0.023	-0.024	0.829	0.103
	(0.634)	(0.683)	(0.974)	(0.666)	(0.423)	(0.422)	(1.052)	(0.440)
Zone of Confidence$_{t-1}$	-1.528**	-1.905**	-2.017**	-1.849**	-1.075*	-1.327**	-1.584**	-1.404**
	(0.470)	(0.492)	(0.545)	(0.509)	(0.452)	(0.437)	(0.509)	(0.451)
Neighboring Troops$_{t-1}$ (Thousands, Logged)	1.836**	1.870**	1.939**	1.754**	1.862**	1.908**	1.947**	1.785**
	(0.567)	(0.530)	(0.540)	(0.501)	(0.564)	(0.524)	(0.541)	(0.507)
Troop Quality$_{t-1}$ (Millions of Dollars)	0.021*	0.028**	0.025*	0.026**	0.030**	0.036**	0.027**	0.033**
	(0.010)	(0.010)	(0.010)	(0.010)	(0.007)	(0.008)	(0.010)	(0.008)
Number of Troops in Cell$_{t-1}$ (Lagged)	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Constant	17.342**	18.298**	19.134**	17.840**	12.878**	12.869**	13.370**	13.451**
	(1.466)	(1.546)	(1.601)	(1.817)	(1.431)	(1.349)	(1.319)	(1.508)
lnalpha	5.061**	5.057**	5.074**	5.089**	5.075**	5.073**	5.088**	5.098**
	(0.392)	(0.388)	(0.393)	(0.391)	(0.394)	(0.391)	(0.394)	(0.393)
Observations	197354	197354	197354	197354	197354	197354	197354	197354

Mission clustered standard errors in parentheses
Dependent Variable is troop counts
Randomly selected 25% of grid-mission-month cells
Restricted to non-observer missions
$\dagger p < 0.10, *p < 0.05, **p < 0.01$. Two-tailed test.

Table 9: All Models with 50% of Cells, Part 1

	No Interactions				Risk Ratio and Death Interactions			
	(49) Battle Deaths	(50) Total OSV	(51) Rebel OSV	(52) Gov OSV	(53) Battle Deaths	(54) Total OSV	(55) Rebel OSV	(56) Gov OSV
Risk Ratio$_{t-1}$	-8.849**	-8.680**	-9.411**	-9.349**	-8.856**	-8.676**	-9.411**	-9.348**
	(1.893)	(1.813)	(1.833)	(1.929)	(1.899)	(1.816)	(1.834)	(1.930)
Battle Deaths$_{t-1}$	0.016**				-0.032			
	(0.006)				(0.072)			
Months Since Last Battle Death	-0.023**				-0.023**			
	(0.005)				(0.005)			
Total One Sided Violence$_{t-1}$		0.020**				0.103		
		(0.003)				(0.092)		
Months Since Last OSV Death		-0.025**				-0.025**		
		(0.005)				(0.005)		
Rebel One Sided Violence$_{t-1}$			0.022**				0.041	
			(0.004)				(0.079)	
Months Since Last Rebel OSV			-0.025**				-0.025**	
			(0.006)				(0.006)	
Government One Sided Violence$_{t-1}$				-0.010				2.135**
				(0.008)				(0.485)
Months Since Last Government OSV				-0.022**				-0.022**
				(0.006)				(0.006)
FC Duration$_{t-1}$	0.027**	0.026**	0.025**	0.026**	0.027**	0.026**	0.025**	0.026**
	(0.008)	(0.009)	(0.008)	(0.010)	(0.008)	(0.009)	(0.008)	(0.010)
Risk Ratio$_{t-1}$ x Battle Deaths$_{t-1}$					0.058			
					(0.092)			
Risk Ratio$_{t-1}$ x OSV Total$_{t-1}$						-0.098		
						(0.108)		
Risk Ratio$_{t-1}$ x OSV Rebs$_{t-1}$							-0.022	
							(0.094)	
Risk Ratio$_{t-1}$ x OSV Gov$_{t-1}$								-3.136**
								(0.679)
Night Lights$_{t-1}$	0.178†	0.194*	0.308**	0.172*	0.178†	0.194*	0.308**	0.173*
	(0.095)	(0.086)	(0.101)	(0.078)	(0.095)	(0.086)	(0.101)	(0.079)
Proportion of Year in Drought$_{t-1}$	0.024	0.066	-0.014	-0.330	0.029	0.063	-0.015	-0.329
	(0.656)	(0.683)	(0.744)	(0.651)	(0.657)	(0.686)	(0.745)	(0.651)
Proportion of Mountainous Terrain$_{t-1}$	0.133	0.109	0.129	-0.147	0.136	0.107	0.129	-0.149
	(0.836)	(0.810)	(0.895)	(0.821)	(0.836)	(0.811)	(0.896)	(0.822)
Distance to Nearest Unit$_{t-1}$ (Hundred km)	-0.094**	-0.094**	-0.093**	-0.100**	-0.094**	-0.094**	-0.093**	-0.100**
	(0.015)	(0.015)	(0.015)	(0.016)	(0.015)	(0.015)	(0.015)	(0.016)
Distance to Own Border$_{t-1}$ (Hundred km)	-0.655**	-0.683**	-0.709**	-0.715**	-0.655**	-0.683**	-0.709**	-0.715**
	(0.147)	(0.143)	(0.141)	(0.148)	(0.147)	(0.143)	(0.141)	(0.148)

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Table 9: All Models with 50% of Cells, Part 1

	No Interactions				Risk Ratio and Death Interactions			
	(49) Battle Deaths	(50) Total OSV	(51) Rebel OSV	(52) Gov OSV	(53) Battle Deaths	(54) Total OSV	(55) Rebel OSV	(56) Gov OSV
Distance to Capital$_{t-1}$ (Hundred km)	-0.135**	-0.134**	-0.127*	-0.102†	-0.135**	-0.134**	-0.127*	-0.102†
	(0.050)	(0.051)	(0.051)	(0.053)	(0.050)	(0.051)	(0.051)	(0.053)
Days to Urban Center$_{t-1}$	-12.512**	-12.760**	-13.017**	-13.623**	-12.515**	-12.756**	-13.016**	-13.623**
	(1.362)	(1.408)	(1.405)	(1.466)	(1.361)	(1.408)	(1.404)	(1.467)
Headquarters$_{t-1}$	0.371	0.289	1.040	0.394	0.372	0.289	1.040	0.411
	(0.466)	(0.458)	(1.093)	(0.470)	(0.467)	(0.458)	(1.093)	(0.466)
Zone of Confidence$_{t-1}$	-1.737**	-1.983**	-2.194**	-2.049**	-1.737**	-1.984**	-2.194**	-2.060**
	(0.390)	(0.423)	(0.585)	(0.464)	(0.390)	(0.423)	(0.585)	(0.467)
Neighboring Troops$_{t-1}$ (Thousands, Logged)	2.237**	2.272**	2.339**	2.127**	2.237**	2.273**	2.339**	2.135**
	(0.588)	(0.552)	(0.570)	(0.537)	(0.588)	(0.552)	(0.570)	(0.538)
Troop Quality$_{t-1}$ (Millions of Dollars)	0.027**	0.034**	0.025**	0.031**	0.027**	0.034**	0.025**	0.031**
	(0.007)	(0.008)	(0.009)	(0.007)	(0.007)	(0.007)	(0.009)	(0.007)
Number of Troops in Cell$_{t-1}$ (Lagged)	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Constant	12.165**	12.300**	12.885**	12.927**	12.169**	12.296**	12.884**	12.927**
	(1.804)	(1.781)	(1.816)	(2.000)	(1.808)	(1.783)	(1.817)	(2.001)
lnalpha	5.756**	5.753**	5.766**	5.777**	5.756**	5.752**	5.766**	5.777**
	(0.401)	(0.397)	(0.400)	(0.399)	(0.401)	(0.397)	(0.400)	(0.399)
Observations	390151	390203	390217	390216	390151	390203	390217	390216

Mission clustered standard errors in parentheses
Dependent Variable is troop counts
Randomly selected 50% of grid-mission-month cells
Restricted to 200 deaths and non-observer missions
$\dagger p < 0.10, *p < 0.05, **p < 0.01$. Two-tailed test.

Table 10: All Models with 50% of Cells, Part 2

	Risk Ratio and Time Interactions				Risk Ratio and FC Duration Interactions			
	(57) Battle Deaths	(58) Total OSV	(59) Rebel OSV	(60) Gov OSV	(61) Battle Deaths	(62) Total OSV	(63) Rebel OSV	(64) Gov OSV
Risk Ratio$_{t-1}$	-14.754**	-15.725**	-16.435**	-15.318**	-9.339**	-9.026**	-9.691**	-9.710**
	(1.729)	(1.882)	(1.931)	(2.239)	(1.622)	(1.477)	(1.424)	(1.524)
Battle Deaths$_{t-1}$	0.018**				0.016**			
	(0.006)				(0.006)			
Months Since Last Battle Death	-0.072**				-0.023**			
	(0.017)				(0.005)			
Total One Sided Violence$_{t-1}$		0.018**				0.020**		
		(0.003)				(0.003)		
Months Since Last OSV Death		-0.081**				-0.025**		
		(0.017)				(0.005)		
Rebel One Sided Violence$_{t-1}$			0.021**				0.022**	
			(0.004)				(0.004)	
Months Since Last Rebel OSV			-0.079**				-0.025**	
			(0.016)				(0.006)	
Government One Sided Violence$_{t-1}$				-0.017*				-0.011
				(0.008)				(0.008)
Months Since Last Government OSV				-0.068**				-0.022**
				(0.018)				(0.006)
FC Duration$_{t-1}$	0.024**	0.022**	0.023**	0.023*	0.001	0.007	0.010	0.006
	(0.008)	(0.008)	(0.007)	(0.009)	(0.054)	(0.055)	(0.058)	(0.061)
Risk Ratio$_{t-1}$ x Time Since Death	0.060**							
	(0.022)							
Risk Ratio$_{t-1}$ x Time Since OSV Total		0.069**						
		(0.023)						
Risk Ratio$_{t-1}$ x Time Since OSV Rebs			0.067**					
			(0.021)					
Risk Ratio$_{t-1}$ x Time Since OSV Gov				0.058*				
				(0.025)				
Risk Ratio$_{t-1}$ x FC Duration$_{t-1}$					0.033	0.024	0.019	0.025
					(0.062)	(0.063)	(0.067)	(0.070)
Night Lights$_{t-1}$	0.134†	0.152*	0.238**	0.144†	0.177†	0.194*	0.307**	0.172*
	(0.070)	(0.075)	(0.091)	(0.075)	(0.094)	(0.086)	(0.100)	(0.078)
Proportion of Year in Drought$_{t-1}$	-0.336	-0.312	-0.392	-0.586	0.033	0.074	-0.006	-0.324
	(0.837)	(0.862)	(0.887)	(0.697)	(0.665)	(0.689)	(0.749)	(0.658)
Proportion of Mountainous Terrain$_{t-1}$	-0.321	-0.398	-0.394	-0.575	0.129	0.105	0.125	-0.149
	(0.740)	(0.737)	(0.782)	(0.740)	(0.833)	(0.809)	(0.895)	(0.819)
Distance to Nearest Unit$_{t-1}$ (Hundred km)	-0.086**	-0.086**	-0.084**	-0.094**	-0.093**	-0.094**	-0.092**	-0.100**
	(0.015)	(0.016)	(0.015)	(0.018)	(0.015)	(0.015)	(0.015)	(0.016)
Distance to Own Border$_{t-1}$ (Hundred km)	-0.647**	-0.669**	-0.708**	-0.711**	-0.659**	-0.687**	-0.712**	-0.719**

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Table 10: All Models with 50% of Cells, Part 2

	Risk Ratio and Time Interactions				Risk Ratio and FC Duration Interactions			
	(57) Battle Deaths	(58) Total OSV	(59) Rebel OSV	(60) Gov OSV	(61) Battle Deaths	(62) Total OSV	(63) Rebel OSV	(64) Gov OSV
	(0.157)	(0.156)	(0.147)	(0.153)	(0.143)	(0.138)	(0.135)	(0.142)
Distance to Capital$_{t-1}$ (Hundred km)	-0.137**	-0.135**	-0.125*	-0.095†	-0.135**	-0.134**	-0.127*	-0.102†
	(0.048)	(0.047)	(0.049)	(0.054)	(0.051)	(0.051)	(0.051)	(0.053)
Days to Urban Center$_{t-1}$	-13.633**	-14.067**	-14.430**	-14.816**	-12.582**	-12.812**	-13.057**	-13.675**
	(1.177)	(1.195)	(1.179)	(1.283)	(1.379)	(1.422)	(1.415)	(1.463)
Headquarters$_{t-1}$	0.559	0.499	0.753	0.594	0.369	0.291	1.071	0.400
	(0.654)	(0.699)	(1.008)	(0.684)	(0.474)	(0.465)	(1.098)	(0.476)
Zone of Confidence$_{t-1}$	-2.204**	-2.544**	-2.627**	-2.504**	-1.783**	-2.016**	-2.214**	-2.083**
	(0.461)	(0.535)	(0.611)	(0.562)	(0.406)	(0.430)	(0.585)	(0.467)
Neighboring Troops$_{t-1}$ (Thousands, Logged)	2.251**	2.264**	2.335**	2.118**	2.270**	2.293**	2.357**	2.148**
	(0.612)	(0.577)	(0.584)	(0.550)	(0.603)	(0.560)	(0.575)	(0.549)
Troop Quality$_{t-1}$ (Millions of Dollars)	0.017†	0.026**	0.023**	0.025**	0.026**	0.033**	0.025**	0.031**
	(0.009)	(0.010)	(0.009)	(0.009)	(0.007)	(0.008)	(0.009)	(0.007)
Number of Troops in Cell$_{t-1}$ (Lagged)	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**	-0.001**
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Constant	17.130**	18.165**	18.726**	17.862**	12.559**	12.580**	13.110**	13.217**
	(1.351)	(1.450)	(1.584)	(1.726)	(1.527)	(1.443)	(1.424)	(1.583)
lnalpha	5.741**	5.735**	5.752**	5.766**	5.756**	5.753**	5.766**	5.777**
	(0.399)	(0.395)	(0.399)	(0.398)	(0.401)	(0.397)	(0.400)	(0.399)
Observations	390151	390203	390217	390216	390151	390203	390217	390216

Mission clustered standard errors in parentheses
Dependent Variable is troop counts
Randomly selected 50% of grid-mission-month cells
Restricted to 200 deaths and non-observer missions
$\dagger p < 0.10, *p < 0.05, **p < 0.01$. Two-tailed test.

Table 11: Meta Analysis with Randomly Selected 25%, Part 1

	No Interactions				Risk Ratio and Death Interactions			
	(1) Battle Deaths	(2) Total OSV	(3) Rebel OSV	(4) Gov OSV	(5) Battle Deaths	(6) Total OSV	(7) Rebel OSV	(8) Gov OSV
Risk Ratio$_{t-1}$	-8.831	-8.656	-9.397	-9.325	-8.690	-8.507	-9.247	-9.159
	[-9.998, -7.664]	[-9.769, -7.543]	[-10.518, -8.277]	[-10.508, -8.142]	[-9.848, -7.532]	[-9.608, -7.406]	[-10.359, -8.136]	[-10.332, -7.986]
Battle Deaths$_{t-1}$	0.016				-0.029			
	[0.012, 0.019]				[-0.069, 0.012]			
Risk Ratio$_{t-1}$ x Battle Deaths$_{t-1}$					0.052			
					[0.002, 0.103]			
Total One Sided Violence$_{t-1}$		0.021				0.058		
		[0.019, 0.023]				[0.009, 0.108]		
Risk Ratio$_{t-1}$ x OSV Total$_{t-1}$						-0.045		
						[-0.104, 0.014]		
Rebel One Sided Violence$_{t-1}$			0.023				0.058	
			[0.021, 0.026]				[0.008, 0.107]	
Risk Ratio$_{t-1}$ x OSV Rebs$_{t-1}$							-0.042	
							[-0.100, 0.016]	
Government One Sided Violence$_{t-1}$				-0.010				0.935
				[-0.15, -0.005]				[0.585, 1.285]
Risk Ratio$_{t-1}$ x OSV Gov$_{t-1}$								-1.448
								[-1.956, -0.940]
FC Duration$_{t-1}$	0.027	0.026	0.025	0.025				
	[0.022, 0.032]	[0.020, 0.031]	[0.020, 0.030]	[0.019, 0.032]				

95% Confidence intervals presented in brackets.
Dependent variable is troop counts. Common effect model with inverse-variance.
Read as overall effect size across all 10 samples.

Table 12: Meta Analysis with Randomly Selected 25%, Part 2

	Risk Ratio and Time Interactions				Risk Ratio and FC Duration Interactions			
	(9) Battle Deaths	(10) Total OSV	(11) Rebel OSV	(12) Gov OSV	(13) Battle Deaths	(14) Total OSV	(15) Rebel OSV	(16) Gov OSV
Risk Ratio	-14.339	-15.343	-16.281	-14.891	-9.046	-8.736	-9.389	-9.392
	[-15.432, -13.246]	[-16.519, -14.168]	[-17.467, -15.095]	[-16.285, -13.497]	[-10.012, -8.080]	[-9.611, -7.860]	[-10.236, -8.542]	[-10.305, -8.479]
Months Since Last Battle Death	-0.070							
	[-0.081, -0.059]							
Risk Ratio x Time Since Death	0.058							
	[0.044, 0.072]							
Months Since Last OSV Death		-0.079						
		[-0.090, -0.068]						
Risk Ratio x Time Since OSV Total		0.068						
		[0.054, 0.082]						
Months Since Last Rebel OSV			-0.079					
			[-0.088, -0.069]					
Risk Ratio x Time Since OSV Rebs			0.068					
			[0.055, 0.081]					
Months Since Last Government OSV				-0.067				
				[-0.078, -0.055]				
Risk Ratio x Time Since OSV Gov				0.056				
				[0.041, 0.072]				
FC Duration					0.007	0.013	0.017	0.012
					[-0.027, 0.041]	[-0.022, 0.047]	[-0.020, 0.053]	[-0.026, 0.050]
Risk Ratio x FC Duration					0.025	0.016	0.010	0.016
					[-0.014, 0.064]	[-0.024, 0.055]	[-0.032, 0.052]	[-0.027, 0.060]

95% Confidence intervals presented in brackets.
Dependent variable is troop counts. Common effect model with inverse-variance.
Read as overall effect size across all 10 samples.

Table 13: Meta Analysis with Randomly Selected 50%, Part 1

	No Interactions				Risk Ratio and Death Interactions			
	(1) Battle Deaths	(2) Total OSV	(3) Rebel OSV	(4) Gov OSV	(5) Battle Deaths	(6) Total OSV	(7) Rebel OSV	(8) Gov OSV
Risk Ratio$_{t-1}$	-8.831	-8.656	-9.397	-9.325	-8.836	-8.651	-9.396	-9.324
	[-9.998, -7.664]	[-9.769, -7.543]	[-10.518, -8.277]	[-10.508, -8.142]	[-10.006, -7.666]	[-9.766, -7.537]	[-10.517, -8.274]	[-10.507, -8.141]
Battle Deaths$_{t-1}$	0.016				-0.020			
	[0.012, 0.019]				[-0.066, 0.026]			
Risk Ratio$_{t-1}$ x Battle Deaths$_{t-1}$					0.042			
					[-0.016, 0.100]			
Total One Sided Violence$_{t-1}$		0.021				0.117		
		[0.019, 0.023]				[0.055, 0.179]		
Risk Ratio$_{t-1}$ x OSV Total$_{t-1}$						-0.114		
						[-0.186, -0.041]		
Rebel One Sided Violence$_{t-1}$			0.023				0.062	
			[0.021, 0.026]				[0.011, 0.114]	
Risk Ratio$_{t-1}$ x OSV Rebs$_{t-1}$							-0.047	
							[-0.108, 0.015]	
Government One Sided Violence$_{t-1}$				-0.010				1.988
				[-0.15, -0.005]				[1.551, 2.425]
Risk Ratio$_{t-1}$ x OSV Gov$_{t-1}$								-2.930
								[-3.546, -2.313]
FC Duration$_{t-1}$	0.027	0.026	0.025	0.025				
	[0.022, 0.032]	[0.020, 0.031]	[0.020, 0.030]	[0.019, 0.032]				

95% Confidence intervals presented in brackets.
Dependent variable is troop counts. Common effect model with inverse-variance.
Read as overall effect size across all 10 samples.

Table 14: Meta Analysis with Randomly Selected 50%, Part 2

	Risk Ratio and Time Interactions				Risk Ratio and FC Duration Interactions			
	(9) Battle Deaths	(10) Total OSV	(11) Rebel OSV	(12) Gov OSV	(13) Battle Deaths	(14) Total OSV	(15) Rebel OSV	(16) Gov OSV
Risk Ratio	-14.686	-15.690	-16.552	-15.274	-9.338	-9.013	-9.679	-9.698
	[-15.765, -13.607]	[-16.863, -14.516]	[-17.741, -15.362]	[-16.658, -13.890]	[-10.330, -8.346]	[-9.912, -8.113]	[-10.545, -8.812]	[-10.622, -8.774]
Months Since Last Battle Death	-0.072							
	[-0.083, -0.061]							
Risk Ratio x Time Since Death	0.060							
	[0.046, 0.074]							
Months Since Last OSV Death		-0.081						
		[-0.092, -0.070]						
Risk Ratio x Time Since OSV Total		0.070						
		[0.055, 0.084]						
Months Since Last Rebel OSV			-0.080					
			[-0.089, -0.070]					
Risk Ratio x Time Since OSV Rebs			0.069					
			[0.056, 0.082]					
Months Since Last Government OSV				-0.068				
				[-0.080, -0.057]				
Risk Ratio x Time Since OSV Gov				0.058				
				[0.042, 0.074]				
FC Duration					-0.000	0.006	0.010	0.005
					[-0.034, 0.034]	[-0.029, 0.041]	[-0.027, 0.047]	[-0.033, 0.044]
Risk Ratio x FC Duration					0.034	0.024	0.019	0.025
					[-0.005, 0.073]	[-0.016, 0.064]	[-0.023, 0.062]	[-0.019, 0.069]

95% Confidence intervals presented in brackets.
Dependent variable is troop counts. Common effect model with inverse-variance.
Read as overall effect size across all 10 samples.