

Online Supplementary Appendix for:

Days of Action or Restraint?
How the Islamic Calendar Impacts Violence

April 15, 2017

This Appendix to “Days of Action or Restraint?” provides the four Supplementary Tables referenced in the **Quantitative Analysis** portion of the main article. The code files required to reproduce these supplementary analyses are included in our publicly-available online replication archive.

- **SUPPLEMENTAL TABLE 1** provides the “simple equation” robustness check, where we assess whether our results were sensitive to the inclusion of the relatively large number of control variables used in the estimations presented in the **Primary Analysis** section of the main article (see Table 5). As Supplemental Table 1 shows, the results are unaffected by the removal of control variables, with the partial exception of “**Model 3**” as discussed in a footnote in the **Primary Analysis** section of the main article.
- **SUPPLEMENTAL TABLE 2** provides the “logit model” robustness check, where we assess whether our **Primary Analysis** results (again, see Table 5) were an artifact of the count-response negative-binomial estimator used. Here, we used a “cubic polynomial” of time since the last attack-event in the geographic unit of the relevant time-series to appropriately account for temporal dependence in the binary version of our DV data.¹ As Supplemental Table 2 shows, the results are unaffected by the change from negative binomial to logit estimator.
- **SUPPLEMENTAL TABLE 3:** provides the “rare-events logit model” robustness check mentioned in a footnote in the **Primary Analysis** section of the main article, where we assess whether our logit replication results (see Supplemental Table 2) were sensitive to the King & Zeng correction.² As Supplemental Table 3 shows, they were not.
- **SUPPLEMENTAL TABLE 4:** provides the full estimation results generating the substantive shifts in expected-violent attacks outlined in the **Exploration of Individual Holidays** section of the main article (see Table 7).

¹See Carter, David B. and Curtis S. Signorino. 2010. “Back to the Future: Modeling Time Dependence in Binary Data.” *Political Analysis*, 18(3): 271–292.

²See King, Gary and Langche Zeng. 2001. “Explaining Rare Events in International Relations.” *International Organization*, 55 (3): 693–715.

Table 1: Supplemental Holiday-Predictors-Only Negative-Binomial Regression Re-Analysis of Daily Violence in Afghanistan, Iraq, and Pakistan, 2004–2014

	AFGHANISTAN			IRAQ			PAKISTAN		
<i>DV:</i>	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>SIGACTS</i> (2008-2014)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>IBC</i> (2004-2009)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>PIPS</i> (2004-2014)
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Holiday Predictors Baseline: "All Other Days"									
Both Religious Day and Public Holiday	-0.209** (0.065) [0.001]	-0.296*** (0.049) [0.000]	-0.038 (0.034) [0.263]	-0.477*** (0.033) [0.000]	-0.385*** (0.044) [0.000]	-0.382*** (0.045) [0.000]	-0.459*** (0.129) [0.000]	-0.463*** (0.128) [0.000]	-0.615*** (0.095) [0.000]
Religious Day and Not Public Holiday	-0.088* (0.043) [0.041]	-0.045 (0.037) [0.218]	0.145*** (0.027) [0.000]	-0.063* (0.025) [0.010]	0.028 (0.031) [0.358]	-0.003 (0.035) [0.939]	-0.029 (0.034) [0.400]	-0.068* (0.033) [0.040]	-0.010 (0.024) [0.680]
Secular Public Holiday	0.088 (0.132) [0.502]	-0.025 (0.141) [0.858]	0.047 (0.102) [0.645]	-0.044 (0.032) [0.169]	0.029 (0.041) [0.485]	-0.033 (0.044) [0.458]	-0.005 (0.046) [0.910]	-0.060 (0.044) [0.174]	0.035 (0.032) [0.261]
Constant	-0.111*** (0.029) [0.000]	-0.938*** (0.026) [0.000]	2.471*** (0.018) [0.000]	-0.546*** (0.017) [0.000]	-1.494*** (0.021) [0.000]	-0.572*** (0.023) [0.000]	-1.003*** (0.026) [0.000]	-1.171*** (0.025) [0.000]	-0.512*** (0.018) [0.000]
$\ln \alpha$	0.840*** (0.037) [0.000]	0.853*** (0.040) [0.000]	0.700*** (0.012) [0.000]	1.513*** (0.015) [0.000]	2.128*** (0.020) [0.000]	1.620*** (0.020) [0.000]	1.414*** (0.027) [0.000]	1.579*** (0.026) [0.000]	1.189*** (0.018) [0.000]
N	14,610	20,090	12,785	52,596	72,324	36,144	23,376	32,144	32,144
Wald χ^2	12.041**	38.207***	40.771***	212.299***	96.639***	78.092***	12.833**	16.928***	43.010***
Log Pseudolikelihood	-17993.337	-15725.624	-43810.690	-47363.688	-36446.184	-32108.754	-17344.814	-20942.432	-32234.338
AIC	35996.674	31461.249	87631.381	94737.376	72902.368	64227.507	34699.627	41894.864	64478.677
Notes: Standard errors in parentheses; p-values in brackets; *Significant at .05, **Significant at .01, ***Significant at .001 (Two-Tailed)									

Table 2: Supplemental Logit Regression Re-Analysis of Daily Violence in Afghanistan, Iraq, and Pakistan, 2004–2014

	AFGHANISTAN			IRAQ			PAKISTAN		
<i>DV:</i>	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>SIGACTS</i> (2008-2014)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>IBC</i> (2004-2009)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>PIPS</i> (2004-2014)
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Holiday Predictors Baseline: "All Other Days"									
Both Religious Day and Public Holiday	-0.243*** (0.059) [0.000]	-0.323*** (0.057) [0.000]	-0.289*** (0.087) [0.001]	-0.476*** (0.042) [0.000]	-0.419*** (0.043) [0.000]	-0.381*** (0.049) [0.000]	-0.425** (0.147) [0.004]	-0.538*** (0.142) [0.000]	-1.012*** (0.133) [0.000]
Religious Day and Not Public Holiday	-0.011 (0.050) [0.828]	-0.007 (0.045) [0.875]	-0.052 (0.078) [0.505]	0.012 (0.032) [0.714]	0.052 (0.032) [0.104]	0.043 (0.038) [0.268]	0.011 (0.045) [0.805]	0.041 (0.040) [0.307]	-0.034 (0.040) [0.389]
Secular Public Holiday	0.083 (0.179) [0.640]	0.021 (0.165) [0.899]	-0.024 (0.259) [0.925]	-0.077* (0.038) [0.041]	0.018 (0.038) [0.632]	-0.066 (0.045) [0.139]	0.010 (0.056) [0.859]	-0.060 (0.051) [0.241]	0.050 (0.050) [0.311]
Control Predictors (Baseline: "All Other Days")									
Afghan Election (≤ 30 days)	0.293** (0.099) [0.003]	0.290** (0.107) [0.007]	0.151 (0.164) [0.359]						
Iraqi Election (≤ 30 days)				0.087 (0.075) [0.241]	0.055 (0.066) [0.408]	0.053 (0.093) [0.571]			
Pakistani Election (≤ 30 days)							0.062 (0.149) [0.675]	0.259* (0.113) [0.021]	0.184 (0.113) [0.103]
US Election (≤ 30 days)	-0.076 (0.117) [0.516]	-0.067 (0.097) [0.490]	0.039 (0.150) [0.798]	0.136 (0.074) [0.067]	-0.041 (0.074) [0.579]	0.316*** (0.085) [0.000]	-0.179 (0.124) [0.149]	-0.085 (0.096) [0.376]	-0.185 (0.098) [0.058]
Daily Oil Price	-0.002 (0.002) [0.291]	0.002 (0.002) [0.357]	-0.003 (0.003) [0.311]	0.007*** (0.002) [0.000]	0.011*** (0.001) [0.000]	0.002 (0.002) [0.289]	-0.004 (0.002) [0.070]	-0.006** (0.002) [0.002]	-0.002 (0.002) [0.314]

Notes: Standard errors in parentheses; p-values in brackets; *Significant at .05, **Significant at .01, ***Significant at .001 (Two-Tailed)

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Table 2 – Continued

DV:	AFGHANISTAN			IRAQ			PAKISTAN		
	WITS (2004-2011)	GTD (2004-2014)	SIGACTS (2008-2014)	WITS (2004-2011)	GTD (2004-2014)	IBC (2004-2009)	WITS (2004-2011)	GTD (2004-2014)	PIPS (2004-2014)
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Daily Grain Price Index	0.000 (0.001) [0.946]	-0.003** (0.001) [0.004]	0.000 (0.001) [0.912]	-0.004*** (0.001) [0.000]	-0.003*** (0.001) [0.000]	0.000 (0.001) [0.974]	0.004*** (0.001) [0.001]	0.001 (0.001) [0.141]	0.001 (0.001) [0.134]
Mean Temp	0.021*** (0.004) [0.000]	0.017*** (0.003) [0.000]	0.043*** (0.005) [0.000]	0.002 (0.002) [0.256]	-0.004* (0.002) [0.011]	0.005* (0.002) [0.011]	0.002 (0.004) [0.555]	0.003 (0.003) [0.321]	0.003 (0.003) [0.360]
Mean Snow Cover	-0.022*** (0.005) [0.000]	-0.018*** (0.005) [0.000]	-0.001 (0.006) [0.921]	-0.002 (0.013) [0.877]	-0.009 (0.013) [0.480]	0.013 (0.017) [0.461]	-0.020** (0.007) [0.003]	-0.001 (0.006) [0.919]	-0.000 (0.006) [0.998]
Mean Precipitation	-0.033*** (0.010) [0.001]	-0.019* (0.008) [0.025]	-0.024* (0.010) [0.018]	-0.003 (0.004) [0.527]	-0.005 (0.005) [0.321]	-0.002 (0.005) [0.717]	-0.012* (0.005) [0.018]	-0.018*** (0.005) [0.001]	-0.006 (0.005) [0.221]
Mean Cloud Cover	-0.001 (0.001) [0.378]	-0.000 (0.001) [0.956]	-0.003* (0.002) [0.034]	-0.002* (0.001) [0.018]	0.000 (0.001) [0.774]	-0.002** (0.001) [0.010]	0.002 (0.001) [0.148]	0.001 (0.001) [0.196]	0.002* (0.001) [0.046]
COIN Activity _{t-1}	0.007* (0.004) [0.040]	0.004 (0.003) [0.146]	0.034 (0.018) [0.059]	-0.011* (0.004) [0.017]	-0.002 (0.002) [0.237]	-0.000 (0.002) [0.914]	0.016*** (0.004) [0.000]	0.003 (0.003) [0.290]	0.028*** (0.005) [0.000]

Results on Spatial and Temporal Fixed-Effects Suppressed for Space

Days Since Conflict Onset	0.000 (0.000) [0.605]	0.000 (0.000) [0.996]	0.003*** (0.000) [0.000]	0.000 (0.000) [0.197]	0.000 (0.000) [0.465]	-0.000 (0.000) [0.956]	-0.001* (0.000) [0.011]	-0.000 (0.000) [0.178]	0.000 (0.000) [0.104]
Days Since Last Attack	-0.049*** (0.012) [0.000]	-0.034*** (0.006) [0.000]	-0.162** (0.052) [0.002]	-0.020*** (0.005) [0.000]	-0.008*** (0.001) [0.000]	-0.026*** (0.003) [0.000]	-0.013*** (0.004) [0.000]	-0.014*** (0.002) [0.000]	-0.023*** (0.003) [0.000]
Days Since Last Attack ²	0.001* (0.001) [0.029]	0.000** (0.000) [0.007]	0.016 (0.010) [0.110]	0.000 (0.000) [0.069]	0.000*** (0.000) [0.000]	0.000*** (0.000) [0.000]	0.000* (0.000) [0.018]	0.000*** (0.000) [0.001]	0.000*** (0.000) [0.000]
Days Since Last Attack ³	-0.000 (0.000) [0.204]	-0.000 (0.000) [0.081]	-0.000 (0.000) [0.387]	-0.000 (0.000) [0.231]	-0.000* (0.000) [0.029]	-0.000* (0.000) [0.016]	-0.000 (0.000) [0.207]	-0.000 (0.000) [0.072]	-0.000* (0.000) [0.036]

Notes: Standard errors in parentheses; p-values in brackets; *Significant at .05, **Significant at .01, ***Significant at .001 (Two-Tailed)

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Table 2 – Continued

	AFGHANISTAN			IRAQ			PAKISTAN		
<i>DV:</i>	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>SIGACTS</i> (2008-2014)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>IBC</i> (2004-2009)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>PIPS</i> (2004-2014)
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Constant	-4.493*** (0.216) [0.000]	-3.817*** (0.204) [0.000]	-6.193*** (0.749) [0.000]	-2.157*** (0.511) [0.000]	-1.504** (0.462) [0.001]	-3.510*** (0.654) [0.000]	-6.995*** (0.710) [0.000]	-6.737*** (0.300) [0.000]	-7.522*** (0.387) [0.000]
<i>N</i>	14,605	20,085	10,224	52,578	72,306	36,126	23,368	32,136	32,136

*Notes: Standard errors in parentheses; p-values in brackets; *Significant at .05, **Significant at .01, ***Significant at .001 (Two-Tailed)*

Table 3: Supplemental “Rare-Events” Logit Regression Re-Analysis of Daily Violence in Afghanistan, Iraq, and Pakistan, 2004–2014

	AFGHANISTAN			IRAQ			PAKISTAN		
<i>DV:</i>	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>SIGACTS</i> (2008-2014)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>IBC</i> (2004-2009)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>PIPS</i> (2004-2014)
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Holiday Predictors Baseline: “All Other Days”									
Both Religious Day and Public Holiday	-0.243*** (0.059) [0.000]	-0.322*** (0.057) [0.000]	-0.289*** (0.087) [0.001]	-0.475*** (0.042) [0.000]	-0.418*** (0.043) [0.000]	-0.381*** (0.049) [0.000]	-0.421** (0.147) [0.004]	-0.533*** (0.142) [0.000]	-1.009*** (0.133) [0.000]
Religious Day and Not Public Holiday	-0.011 (0.050) [0.826]	-0.007 (0.045) [0.879]	-0.052 (0.078) [0.507]	0.012 (0.032) [0.714]	0.052 (0.032) [0.104]	0.042 (0.038) [0.269]	0.011 (0.045) [0.804]	0.041 (0.040) [0.305]	-0.034 (0.040) [0.389]
Secular Public Holiday	0.084 (0.178) [0.636]	0.025 (0.165) [0.878]	-0.029 (0.258) [0.909]	-0.077* (0.038) [0.041]	0.018 (0.038) [0.629]	-0.066 (0.044) [0.138]	0.010 (0.056) [0.855]	-0.059 (0.051) [0.243]	0.050 (0.050) [0.312]
Control Predictors (Baseline: “All Other Days”)									
Afghan Election (≤ 30 days)	0.292** (0.099) [0.003]	0.292** (0.107) [0.007]	0.147 (0.164) [0.369]						
Iraqi Election (≤ 30 days)				0.088 (0.075) [0.239]	0.056 (0.066) [0.403]	0.054 (0.093) [0.562]			
Pakistani Election (≤ 30 days)							0.063 (0.148) [0.673]	0.260* (0.112) [0.021]	0.182 (0.113) [0.106]
US Election (≤ 30 days)	-0.076 (0.117) [0.518]	-0.066 (0.096) [0.495]	0.036 (0.150) [0.809]	0.136 (0.074) [0.066]	-0.040 (0.074) [0.587]	0.316*** (0.085) [0.000]	-0.177 (0.124) [0.153]	-0.085 (0.096) [0.379]	-0.184 (0.098) [0.059]
Daily Oil Price	-0.002 (0.002) [0.291]	0.002 (0.002) [0.358]	-0.003 (0.003) [0.310]	0.007*** (0.002) [0.000]	0.011*** (0.001) [0.000]	0.002 (0.002) [0.285]	-0.004 (0.002) [0.071]	-0.006** (0.002) [0.002]	-0.002 (0.002) [0.312]

Notes: Standard errors in parentheses; p-values in brackets; *Significant at .05, **Significant at .01, ***Significant at .001 (Two-Tailed)

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Table 3 – Continued

DV:	AFGHANISTAN			IRAQ			PAKISTAN		
	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>SIGACTS</i> (2008-2014)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>IBC</i> (2004-2009)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>PIPS</i> (2004-2014)
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Daily Grain Price Index	0.000 (0.001) [0.946]	-0.003** (0.001) [0.004]	0.000 (0.001) [0.913]	-0.004*** (0.001) [0.000]	-0.003*** (0.001) [0.000]	0.000 (0.001) [0.983]	0.004*** (0.001) [0.001]	0.001 (0.001) [0.141]	0.001 (0.001) [0.136]
Mean Temp	0.021*** (0.004) [0.000]	0.017*** (0.003) [0.000]	0.043*** (0.005) [0.000]	0.002 (0.002) [0.257]	-0.004* (0.002) [0.011]	0.005* (0.002) [0.012]	0.002 (0.004) [0.559]	0.003 (0.003) [0.326]	0.003 (0.003) [0.359]
Mean Snow Cover	-0.022*** (0.005) [0.000]	-0.017*** (0.005) [0.000]	-0.001 (0.006) [0.926]	-0.002 (0.013) [0.891]	-0.009 (0.013) [0.499]	0.013 (0.017) [0.441]	-0.020** (0.007) [0.003]	-0.001 (0.006) [0.918]	-0.000 (0.006) [0.994]
Mean Precipitation	-0.033*** (0.010) [0.001]	-0.018* (0.008) [0.027]	-0.024* (0.010) [0.018]	-0.003 (0.004) [0.530]	-0.005 (0.005) [0.335]	-0.002 (0.005) [0.724]	-0.012* (0.005) [0.019]	-0.018*** (0.005) [0.001]	-0.006 (0.005) [0.221]
Mean Cloud Cover	-0.001 (0.001) [0.379]	-0.000 (0.001) [0.955]	-0.003* (0.002) [0.034]	-0.002* (0.001) [0.018]	0.000 (0.001) [0.775]	-0.002** (0.001) [0.010]	0.002 (0.001) [0.147]	0.001 (0.001) [0.197]	0.002* (0.001) [0.046]
COIN Activity _{t-1}	0.007* (0.004) [0.044]	0.004 (0.003) [0.143]	0.033 (0.018) [0.068]	-0.010* (0.004) [0.018]	-0.002 (0.002) [0.277]	0.002 (0.002) [0.180]	0.015*** (0.004) [0.000]	0.003 (0.003) [0.289]	0.027*** (0.005) [0.000]

Results on Spatial and Temporal Fixed-Effects Suppressed for Space

Days Since Conflict Onset	0.000 (0.000) [0.599]	0.000 (0.000) [0.991]	0.003*** (0.000) [0.000]	0.000 (0.000) [0.195]	0.000 (0.000) [0.463]	-0.000 (0.000) [0.966]	-0.001* (0.000) [0.011]	-0.000 (0.000) [0.181]	0.000 (0.000) [0.104]
Days Since Last Attack	-0.048*** (0.012) [0.000]	-0.033*** (0.006) [0.000]	-0.160** (0.052) [0.002]	-0.020*** (0.005) [0.000]	-0.008*** (0.001) [0.000]	-0.026*** (0.003) [0.000]	-0.013*** (0.004) [0.000]	-0.014*** (0.002) [0.000]	-0.023*** (0.003) [0.000]
Days Since Last Attack ²	0.001* (0.001) [0.037]	0.000** (0.000) [0.008]	0.016 (0.010) [0.116]	0.000 (0.000) [0.076]	0.000*** (0.000) [0.000]	0.000*** (0.000) [0.000]	0.000* (0.000) [0.016]	0.000*** (0.000) [0.001]	0.000*** (0.000) [0.000]
Days Since Last Attack ³	-0.000 (0.000) [0.248]	-0.000 (0.000) [0.098]	-0.000 (0.000) [0.412]	-0.000 (0.000) [0.251]	-0.000* (0.000) [0.032]	-0.000* (0.000) [0.020]	-0.000 (0.000) [0.186]	-0.000 (0.000) [0.073]	-0.000* (0.000) [0.043]

Notes: Standard errors in parentheses; p-values in brackets; *Significant at .05, **Significant at .01, ***Significant at .001 (Two-Tailed)

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Table 3 – Continued

	AFGHANISTAN			IRAQ			PAKISTAN		
<i>DV:</i>	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>SIGACTS</i> (2008-2014)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>IBC</i> (2004-2009)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>PIPS</i> (2004-2014)
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Constant	-4.484*** (0.216) [0.000]	-3.807*** (0.204) [0.000]	-6.166*** (0.747) [0.000]	-2.154*** (0.510) [0.000]	-1.500** (0.462) [0.001]	-3.503*** (0.654) [0.000]	-6.811*** (0.710) [0.000]	-6.707*** (0.299) [0.000]	-7.468*** (0.386) [0.000]
<i>N</i>	14,605	20,085	10,224	52,578	72,306	36,126	23,368	32,136	32,136

*Notes: Standard errors in parentheses; p-values in brackets; *Significant at .05, **Significant at .01, ***Significant at .001 (Two-Tailed)*

Table 4: Supplemental Full Estimation Results of Individual Holiday Negative-Binomial Regression Analysis of Daily Violence in Afghanistan, Iraq, and Pakistan, 2004–2014

	AFGHANISTAN			IRAQ			PAKISTAN		
DV:	WITS (2004-2011)	GTD (2004-2014)	SIGACTS (2008-2014)	WITS (2004-2011)	GTD (2004-2014)	IBC (2004-2009)	WITS (2004-2011)	GTD (2004-2014)	PIPS (2004-2014)
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Holiday Predictors Baseline: "All Other Days"									
Friday	-0.137** (0.047) [0.003]	-0.194*** (0.042) [0.000]	-0.060*** (0.013) [0.000]	-0.401*** (0.026) [0.000]	-0.420*** (0.039) [0.000]	-0.321*** (0.030) [0.000]	-0.000 (0.040) [0.995]	-0.058 (0.038) [0.125]	-0.029 (0.026) [0.258]
Muharram	-0.235** (0.072) [0.001]	-0.153* (0.065) [0.018]	-0.178*** (0.023) [0.000]	-0.091** (0.034) [0.008]	0.102* (0.048) [0.036]	-0.133** (0.043) [0.002]	-0.022 (0.058) [0.699]	-0.012 (0.054) [0.817]	-0.148*** (0.037) [0.000]
Rajab	0.002 (0.048) [0.971]	0.081 (0.047) [0.084]	0.095*** (0.019) [0.000]	0.011 (0.032) [0.737]	0.020 (0.045) [0.665]	0.104** (0.038) [0.005]	0.033 (0.053) [0.539]	-0.047 (0.054) [0.383]	0.034 (0.033) [0.310]
Ramadan	0.021 (0.055) [0.706]	-0.140* (0.055) [0.011]	0.030 (0.019) [0.115]	0.046 (0.031) [0.144]	0.107* (0.052) [0.039]	0.021 (0.037) [0.565]	-0.058 (0.059) [0.322]	-0.063 (0.056) [0.261]	0.029 (0.036) [0.424]
Dhu al-Qada	-0.039 (0.076) [0.610]	-0.124* (0.058) [0.031]	-0.026 (0.018) [0.162]	-0.109** (0.036) [0.003]	-0.016 (0.049) [0.744]	-0.087 (0.047) [0.064]	0.053 (0.059) [0.372]	0.124* (0.052) [0.017]	0.052 (0.036) [0.150]
Dhu al-Hijja	-0.073 (0.075) [0.331]	0.040 (0.064) [0.533]	-0.070** (0.023) [0.002]	-0.141*** (0.037) [0.000]	-0.023 (0.052) [0.658]	-0.271*** (0.047) [0.000]	0.099 (0.070) [0.154]	0.123 (0.072) [0.088]	-0.083* (0.039) [0.035]
Al-Hijra	0.696 (0.378) [0.065]	-0.116 (0.285) [0.685]	-0.076 (0.088) [0.388]	-0.065 (0.149) [0.661]	-0.205 (0.210) [0.328]	-0.170 (0.201) [0.396]	-0.367 (0.362) [0.310]	0.040 (0.340) [0.907]	0.070 (0.152) [0.642]
Day of Ashura	-0.320 (0.215) [0.136]	-0.375 (0.260) [0.149]	0.012 (0.079) [0.882]	0.224 (0.158) [0.156]	0.321 (0.246) [0.191]	0.000 (0.196) [0.998]	-0.086 (0.253) [0.735]	0.249 (0.255) [0.329]	-0.862*** (0.216) [0.000]
Mawlid an Nabi (Sunni)	0.005 (0.230) [0.982]	-0.114 (0.309) [0.712]	0.016 (0.064) [0.803]	0.047 (0.136) [0.729]	0.136 (0.217) [0.531]	0.004 (0.183) [0.981]	-0.358 (0.275) [0.193]	-0.712* (0.309) [0.021]	-0.764* (0.323) [0.018]

Notes: Standard errors in parentheses; p-values in brackets; *Significant at .05, **Significant at .01, ***Significant at .001 (Two-Tailed)

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Table 4 – Continued

	AFGHANISTAN			IRAQ			PAKISTAN		
<i>DV:</i>	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>SIGACTS</i> (2008-2014)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>IBC</i> (2004-2009)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>PIPS</i> (2004-2014)
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Mawlid an Nabi (Shia)	-0.057 (0.232) [0.808]	-0.467 (0.280) [0.096]	0.064 (0.088) [0.467]	0.000 (0.136) [0.998]	-0.075 (0.210) [0.720]	-0.108 (0.191) [0.572]	-0.416 (0.399) [0.297]	-0.406 (0.260) [0.119]	-0.092 (0.147) [0.531]
Isra and Mi'raj	0.000 (0.224) [0.999]	-0.249 (0.257) [0.332]	-0.046 (0.085) [0.587]	-0.084 (0.178) [0.639]	-0.199 (0.228) [0.382]	-0.528** (0.194) [0.006]	-0.071 (0.260) [0.786]	0.253 (0.197) [0.199]	-0.300 (0.183) [0.100]
Laylat al-Bara'at	-0.450* (0.191) [0.019]	-0.913** (0.311) [0.003]	0.188 (0.111) [0.089]	0.002 (0.176) [0.991]	0.041 (0.179) [0.816]	-0.031 (0.161) [0.846]	-0.253 (0.295) [0.391]	0.272 (0.207) [0.187]	0.104 (0.176) [0.554]
First Day of Ramadan	-0.248 (0.222) [0.265]	-0.754* (0.300) [0.012]	-0.381*** (0.092) [0.000]	-0.438** (0.151) [0.004]	-0.446 (0.257) [0.083]	-0.254 (0.167) [0.129]	-0.045 (0.218) [0.837]	0.014 (0.189) [0.943]	-0.385* (0.195) [0.048]
Laylat al-Qadar (Shia)	-0.186 (0.198) [0.350]	0.016 (0.198) [0.934]	0.025 (0.091) [0.787]	0.248 (0.173) [0.151]	-0.441 (0.227) [0.052]	-0.033 (0.160) [0.839]	0.379 (0.249) [0.128]	0.104 (0.187) [0.578]	0.043 (0.164) [0.793]
Laylat al-Qadar (Sunni)	-0.560** (0.211) [0.008]	-0.121 (0.212) [0.568]	-0.075 (0.088) [0.394]	0.225 (0.117) [0.055]	0.242 (0.216) [0.263]	0.256 (0.158) [0.105]	-0.262 (0.250) [0.294]	0.589** (0.223) [0.008]	0.273 (0.166) [0.101]
Eid al-Fitr (3 Day)	-1.376*** (0.163) [0.000]	-0.924*** (0.212) [0.000]	-0.410*** (0.050) [0.000]	-0.601*** (0.119) [0.000]	-0.407** (0.156) [0.009]	-0.393** (0.127) [0.002]	-0.351* (0.180) [0.050]	-0.730*** (0.167) [0.000]	-0.362** (0.122) [0.003]
Day of Arafah	-0.537 (0.331) [0.104]	-0.664* (0.290) [0.022]	-0.056 (0.088) [0.524]	0.089 (0.156) [0.568]	0.308 (0.191) [0.107]	-0.178 (0.196) [0.365]	-0.304 (0.244) [0.213]	-0.558* (0.266) [0.036]	-0.292 (0.214) [0.171]
Eid al-Ahda (4 Day)	-0.149 (0.193) [0.439]	-0.290 (0.160) [0.070]	-0.255*** (0.053) [0.000]	-0.726*** (0.111) [0.000]	-0.399** (0.151) [0.008]	-0.756*** (0.167) [0.000]	-0.264 (0.141) [0.061]	-0.397* (0.171) [0.020]	-0.290* (0.117) [0.013]
Thursday				-0.083*** (0.023) [0.000]	-0.017 (0.034) [0.616]	-0.055* (0.027) [0.039]			

Notes: Standard errors in parentheses; p-values in brackets; *Significant at .05, **Significant at .01, ***Significant at .001 (Two-Tailed)

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Table 4 – Continued

	AFGHANISTAN			IRAQ			PAKISTAN		
<i>DV:</i>	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>SIGACTS</i> (2008-2014)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>IBC</i> (2004-2009)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>PIPS</i> (2004-2014)
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Sunday							-0.053 (0.039) [0.172]	-0.073 (0.039) [0.064]	0.018 (0.024) [0.458]
Liberation Day	-0.032 (0.245) [0.895]	-0.157 (0.310) [0.611]	0.076 (0.102) [0.452]						
Afghan New Year	-0.202 (0.251) [0.422]	0.027 (0.254) [0.915]	0.092 (0.098) [0.349]						
Victory Day	-0.183 (0.255) [0.472]	0.047 (0.226) [0.837]	0.055 (0.100) [0.584]						
New Years Day				0.081 (0.134) [0.546]	0.089 (0.271) [0.741]	0.228 (0.185) [0.218]			
Army Day				-0.156 (0.158) [0.323]	0.118 (0.217) [0.586]	-0.116 (0.205) [0.572]			
Republic Day				-0.062 (0.127) [0.625]	0.428 (0.244) [0.079]	0.137 (0.147) [0.349]			
Kashmir Solidarity Day							0.334 (0.233) [0.153]	-0.204 (0.338) [0.546]	0.194 (0.130) [0.136]
Pakistan Day							0.316 (0.211) [0.135]	-0.131 (0.243) [0.591]	0.103 (0.156) [0.510]
Allama Iqbal Day							0.442* (0.217) [0.042]	0.240 (0.262) [0.361]	0.271 (0.142) [0.057]
Qaid-e-Azam's Birthday							0.066 (0.269) [0.806]	-0.229 (0.236) [0.331]	-0.046 (0.167) [0.785]

Notes: Standard errors in parentheses; p-values in brackets; *Significant at .05, **Significant at .01, ***Significant at .001 (Two-Tailed)

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Table 4 – Continued

	AFGHANISTAN			IRAQ			PAKISTAN		
<i>DV:</i>	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>SIGACTS</i> (2008-2014)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>IBC</i> (2004-2009)	<i>WITS</i> (2004-2011)	<i>GTD</i> (2004-2014)	<i>PIPS</i> (2004-2014)
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Labor Day	0.242 (0.163) [0.136]	-0.166 (0.203) [0.411]	-0.041 (0.112) [0.713]	0.020 (0.143) [0.889]	-0.005 (0.199) [0.981]	-0.404* (0.186) [0.030]	0.190 (0.212) [0.372]	0.069 (0.189) [0.715]	-0.125 (0.137) [0.363]
Independence Day	0.129 (0.207) [0.534]	-0.332 (0.223) [0.137]	0.116 (0.082) [0.161]	0.190 (0.143) [0.186]	0.127 (0.173) [0.461]	0.151 (0.144) [0.292]	0.828* (0.333) [0.013]	0.556 (0.294) [0.058]	0.248 (0.177) [0.161]
Control Predictors (Baseline: "All Other Days")									
Afghan Election (≤ 30 days)	0.248** (0.078) [0.001]	0.569*** (0.137) [0.000]	0.194*** (0.039) [0.000]						
Iraqi Election (≤ 30 days)				0.099* (0.048) [0.038]	0.036 (0.053) [0.495]	0.044 (0.065) [0.493]			
Pakistani Election (≤ 30 days)							-0.005 (0.093) [0.960]	0.343*** (0.074) [0.000]	0.231*** (0.057) [0.000]
US Election (≤ 30 days)	0.021 (0.084) [0.803]	-0.107 (0.069) [0.125]	-0.027 (0.023) [0.232]	0.085* (0.043) [0.049]	-0.080 (0.066) [0.227]	0.167** (0.052) [0.001]	-0.171* (0.084) [0.041]	-0.089 (0.074) [0.231]	-0.073 (0.048) [0.133]
Daily Oil Price	-0.001 (0.002) [0.454]	0.002 (0.001) [0.095]	0.002*** (0.000) [0.000]	0.004*** (0.001) [0.000]	0.010*** (0.001) [0.000]	-0.000 (0.001) [0.868]	-0.006*** (0.001) [0.000]	-0.003* (0.001) [0.019]	-0.001 (0.001) [0.164]
Daily Grain Price Index	0.001 (0.001) [0.354]	-0.002* (0.001) [0.018]	-0.000* (0.000) [0.045]	-0.002*** (0.000) [0.000]	-0.002** (0.001) [0.001]	0.001 (0.001) [0.167]	0.003*** (0.001) [0.000]	0.001 (0.001) [0.302]	0.000 (0.000) [0.493]
Mean Temp	0.013*** (0.003) [0.000]	0.007** (0.003) [0.007]	-0.002 (0.001) [0.064]	0.000 (0.001) [0.868]	-0.003* (0.001) [0.027]	-0.003* (0.001) [0.024]	0.005 (0.003) [0.070]	0.000 (0.002) [0.881]	-0.000 (0.002) [0.884]
Mean Snow Cover	-0.019*** (0.004) [0.000]	-0.022*** (0.004) [0.000]	-0.023*** (0.001) [0.000]	0.001 (0.007) [0.896]	-0.001 (0.013) [0.938]	0.010 (0.009) [0.298]	-0.006 (0.004) [0.180]	0.003 (0.004) [0.541]	0.001 (0.003) [0.725]

Notes: Standard errors in parentheses; p-values in brackets; *Significant at .05, **Significant at .01, ***Significant at .001 (Two-Tailed)

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Table 4 – Continued

	AFGHANISTAN			IRAQ			PAKISTAN		
DV:	WITS (2004-2011)	GTD (2004-2014)	SIGACTS (2008-2014)	WITS (2004-2011)	GTD (2004-2014)	IBC (2004-2009)	WITS (2004-2011)	GTD (2004-2014)	PIPS (2004-2014)
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Mean Precipitation	-0.015* (0.007) [0.030]	-0.016* (0.007) [0.017]	-0.012*** (0.002) [0.000]	-0.001 (0.002) [0.562]	-0.004 (0.004) [0.269]	-0.007* (0.003) [0.020]	-0.006 (0.003) [0.106]	-0.014*** (0.004) [0.001]	-0.006* (0.003) [0.034]
Mean Cloud Cover	-0.001 (0.001) [0.082]	-0.001 (0.001) [0.450]	-0.001** (0.000) [0.007]	-0.000 (0.000) [0.300]	0.000 (0.001) [0.557]	-0.002** (0.001) [0.004]	0.001 (0.001) [0.204]	0.001 (0.001) [0.226]	0.001* (0.000) [0.021]
COIN Activity _{t-1}	0.001 (0.002) [0.592]	0.004 (0.002) [0.070]	0.001 (0.001) [0.294]	-0.005* (0.002) [0.021]	-0.003 (0.002) [0.095]	0.000 (0.001) [0.794]	0.008*** (0.002) [0.000]	0.005* (0.002) [0.036]	0.007*** (0.001) [0.000]

Results on Spatial and Temporal Fixed-Effects Suppressed for Space

Days Since Conflict Onset	0.000 (0.000) [0.432]	0.000 (0.000) [0.593]	0.001*** (0.000) [0.000]	0.000** (0.000) [0.002]	0.000** (0.000) [0.005]	-0.000 (0.000) [0.631]	-0.000* (0.000) [0.018]	-0.000 (0.000) [0.100]	0.000** (0.000) [0.007]
Y_{t-1}	0.010 (0.005) [0.065]	0.056*** (0.014) [0.000]	0.018*** (0.001) [0.000]	0.080*** (0.004) [0.000]	0.135*** (0.010) [0.000]	0.073*** (0.004) [0.000]	0.148*** (0.010) [0.000]	0.099*** (0.011) [0.000]	0.121*** (0.005) [0.000]
Constant	-4.505*** (0.152) [0.000]	-4.051*** (0.180) [0.000]	-2.220*** (0.142) [0.000]	-1.696*** (0.369) [0.000]	-1.747*** (0.448) [0.000]	-1.035* (0.457) [0.023]	-8.143*** (0.545) [0.000]	-7.184*** (0.275) [0.000]	-8.656*** (0.334) [0.000]
$\ln \alpha$	-0.437*** (0.055) [0.000]	-0.727*** (0.102) [0.000]	-2.181*** (0.056) [0.000]	-1.040*** (0.041) [0.000]	0.243*** (0.033) [0.000]	-1.357*** (0.061) [0.000]	-0.716*** (0.063) [0.000]	-0.485*** (0.072) [0.000]	-1.431*** (0.056) [0.000]
N	14,605	20,085	12,780	52,578	72,306	36,126	23,368	32,136	32,136
Wald χ^2	4541.201***	5026.531***	54260.697***	25539.173***	10120.845***	20752.522***	5208.498***	6189.626***	9927.674***
Log Pseudolikelihood	-14763.505	-13050.994	-31808.855	-33365.721	-26970.495	-22236.750	-12650.211	-15319.259	-21799.721
AIC	29621.010	26201.989	63709.709	66853.441	54068.991	44591.501	25404.423	30748.518	43709.442

Notes: Standard errors in parentheses; p-values in brackets; *Significant at .05, **Significant at .01, ***Significant at .001 (Two-Tailed)