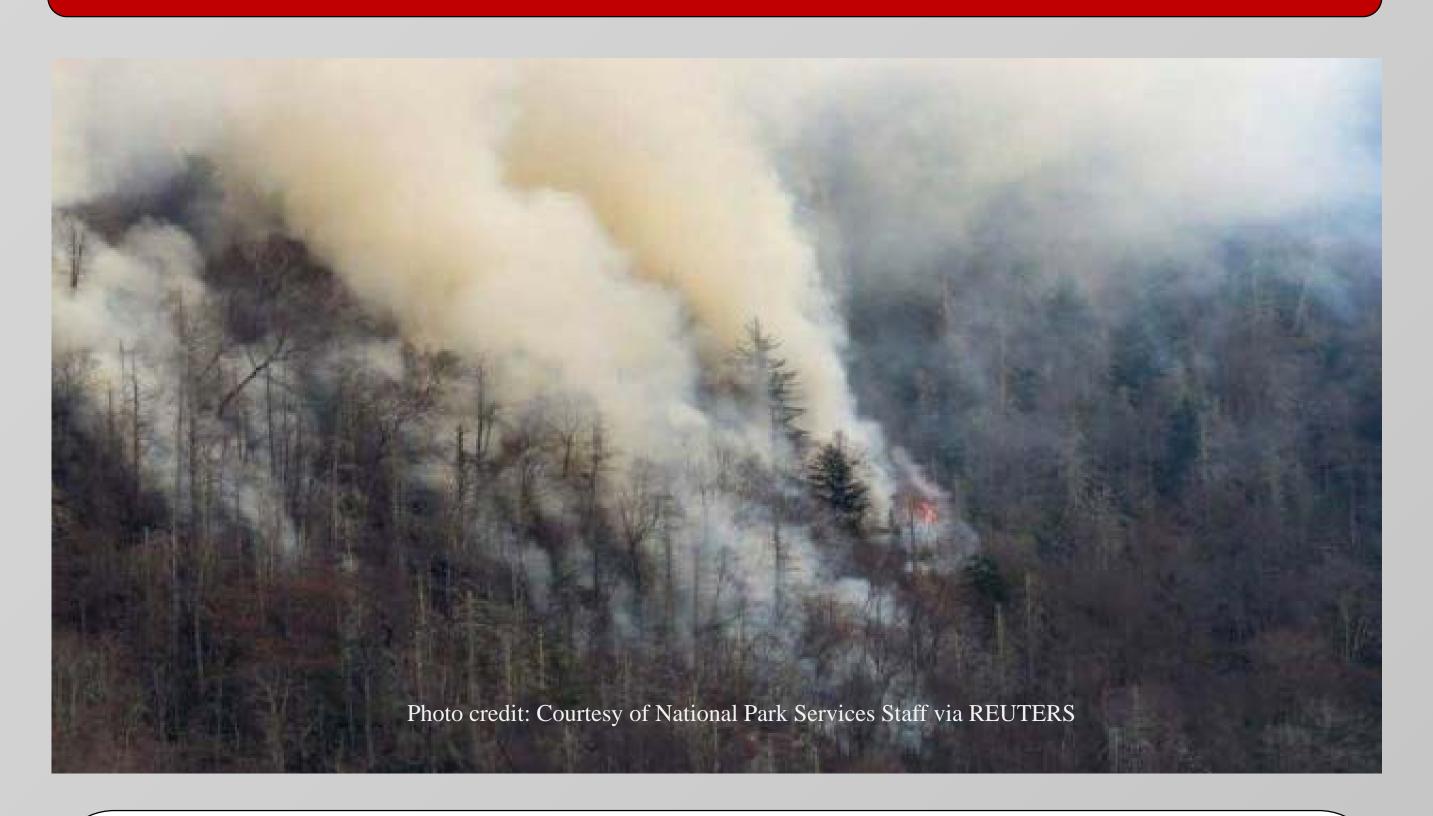
Monitoring Weather Conditions Near Wildfires

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Project Overview and Objectives

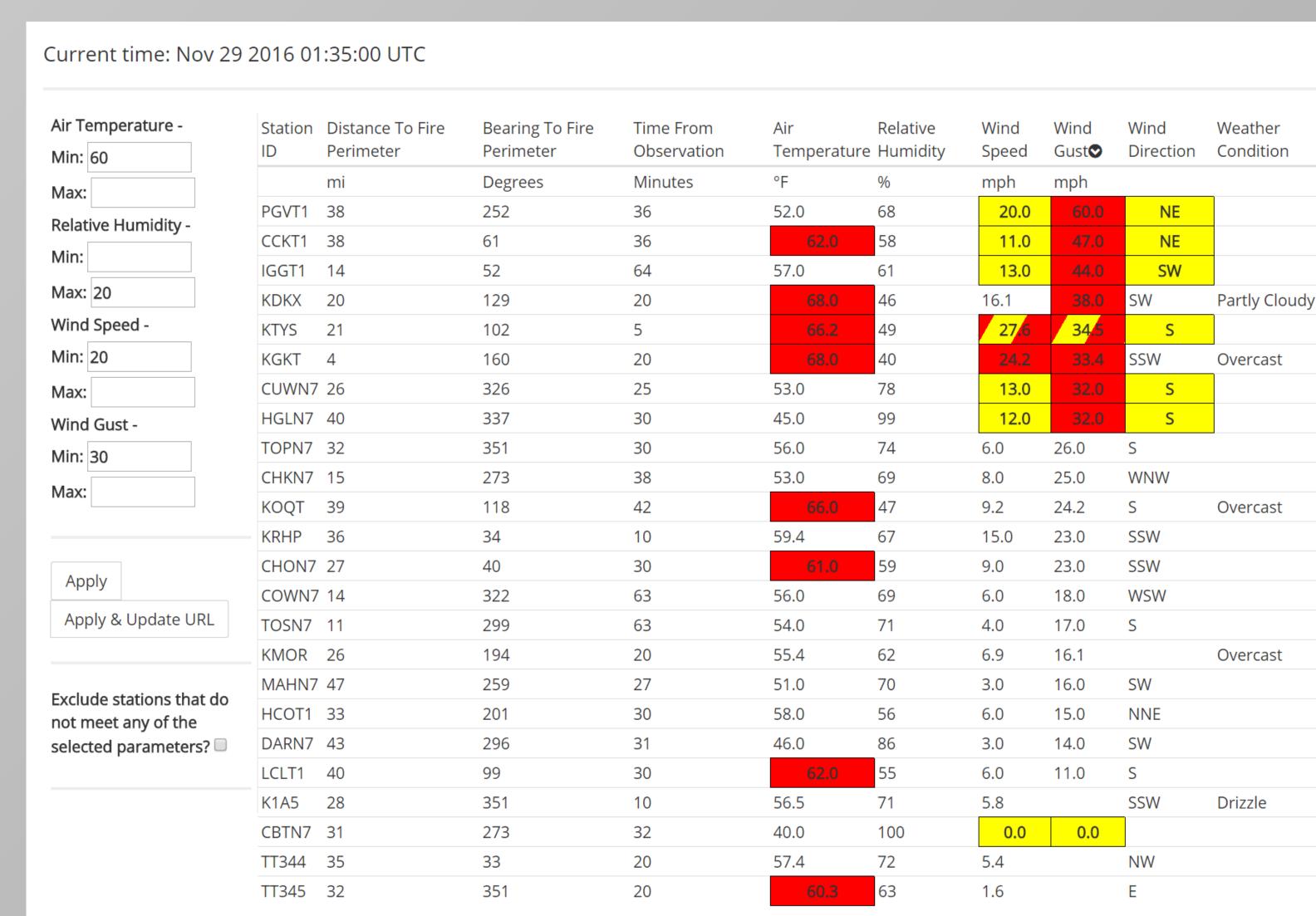
- Due to the dangerous and highly susceptible nature of wildland fires to threaten lives and property, it is critical to monitor and be aware of conditions surrounding these wildfires. The vulnerability of fire-fighting personnel and the public to changing weather conditions near wildfires necessitates improved monitoring of those meteorological conditions for increased situational awareness.
- # Improve design over old product
- #

Chimney Top 2 Fire (Gatlinburg, TN)

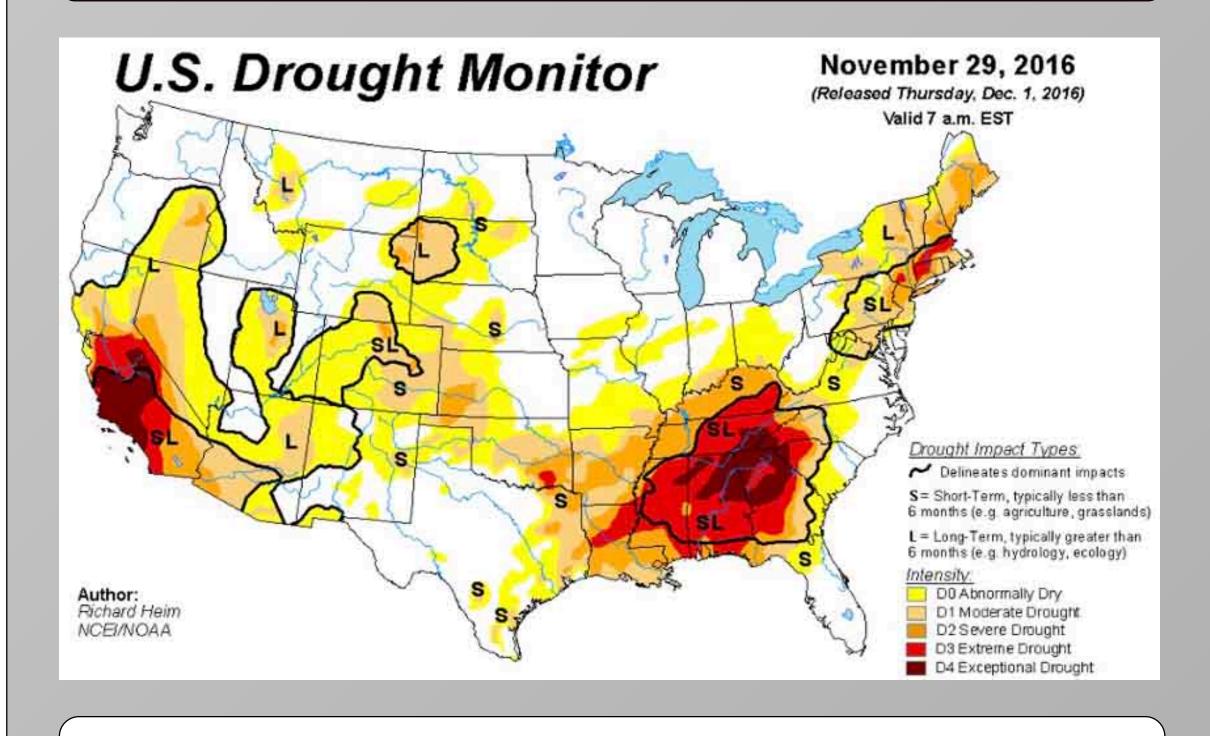


Web Application: Table Function and Features

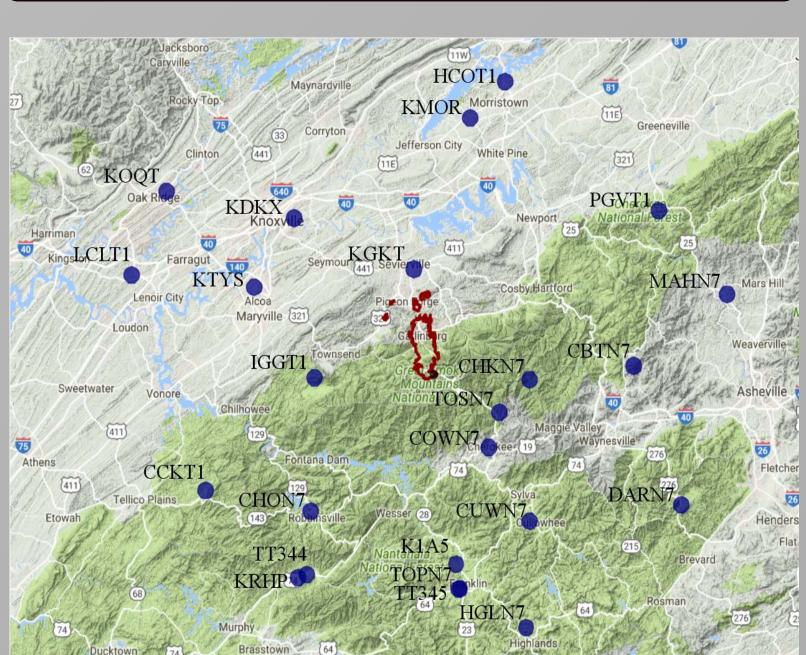
Monitoring \										
Currently in DEMO mode	, showing t	the Chimney Top 2	Fire (Gatlinburg, TN).						
or an introduction and r	more infori	mation on this page	, click <mark>here.</mark>							
Current time: Nov 2	9 2016 (01:35:00 UTC								
Air Temperature - Min:	Station	Distance To Fire Perimeter ⊙	Bearing To Fire Perimeter	Time From Observation	Air Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Weather Condition
		mi	Degrees	Minutes	°F	%	mph	mph		
Max:	KGKT	4	160	20	68.0	40	24.2	33.4	SSW	Overcast
Relative Humidity -	TOSN7	11	299	63	54.0	71	4.0	17.0	S	
Min:	COWN7	14	322	63	56.0	69	6.0	18.0	WSW	
Max:	IGGT1	14	52	64	57.0	61	13.0	44.0	SW	
Wind Speed -	CHKN7	15	273	38	53.0	69	8.0	25.0	WNW	
Min:	KDKX	20	129	20	68.0	46	16.1	38.0	SW	Partly Cloud
Max:	KTYS	21	102	5	66.2	49	27.6	34.5	S	
Wind Gust -	CUWN7	26	326	25	53.0	78	13.0	32.0	S	
Min:	KMOR	26	194	20	55.4	62	6.9	16.1		Overcast
Max:	CHON7	27	40	30	61.0	59	9.0	23.0	SSW	
IVIGA.	K1A5	28	351	10	56.5	71	5.8		SSW	Drizzle
	CBTN7	31	273	32	40.0	100	0.0	0.0		
Apply	TT345	32	351	20	60.3	63	1.6		Е	
	TOPN7	32	351	30	56.0	74	6.0	26.0	S	
Apply & Update URL	HCOT1	33	201	30	58.0	56	6.0	15.0	NNE	
	TT344	35	33	20	57.4	72	5.4		NW	
Exclude stations that do	KRHP	36	34	10	59.4	67	15.0	23.0	SSW	
not meet any of the	CCKT1	38	61	36	62.0	58	11.0	47.0	NE	
selected parameters?	PGVT1	38	252	36	52.0	68	20.0	60.0	NE	



Meteorological Conditions



Fire Growth



Summary and Conclusions

Acknowledgements

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