

Additional Information

- The road was cleared on Saturday, February 28th.
- Phone lines at Pulga, 1.5 mi east were out.
- It was estimated that each incident photo would have taken 15-20 minutes to transmit.
- Photos were not transmitted until the maintenance supervisor returned to Quincy, 55 miles to the east, on February 26th.



Additional Information

- Communication challenges were encountered while making arrangements to secure equipment.
- The maintenance supervisor had to drive to Concow, 6 mi to the southwest, for cellular coverage.
- An estimated 4-6 hours were lost due to back and forth trips to call blasting companies.
- Attempts to use dispatch as an intermediary were dismissed due to reluctance on the part of the blasting companies. They wanted to communicate directly with the maintenance supervisor.
- Under ideal circumstances the incident could have been cleared by noon on the 27th as opposed to the 28th.
- The transmission of incident photos may have helped to achieve this.



System Concept

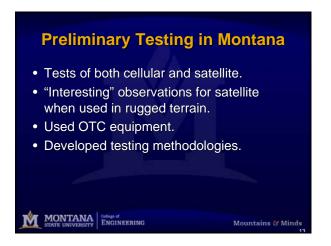
The Responder System will consist of integrated hardware, software and data communication equipment capable of recording and transmitting incident information from the scene of incidents occurring anywhere (rural or urban) within the RIME region. It would also be capable of receiving information (data) from the outside, including the Redding TMC.

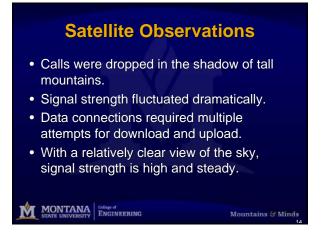


Communication

- Interesting, Challenging, Important
- Two means analyzed: cellular, satellite.
- Viewed as complementary.
- No attempt to compare providers.
- Other possibilities: 800 MHz.



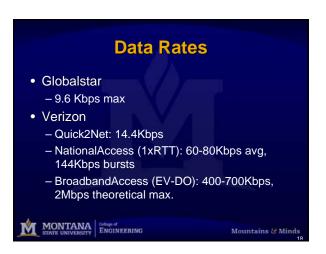




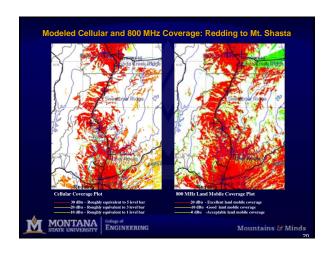


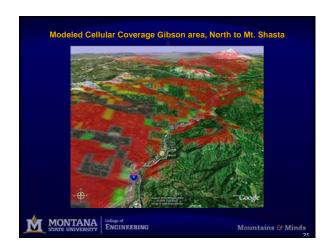


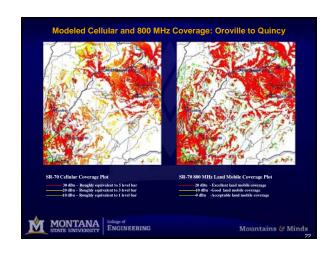


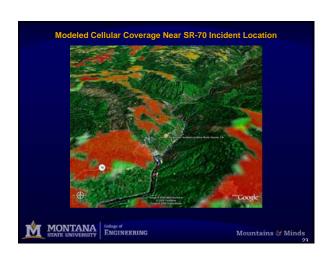


Propagation Analyses for Land-Mobile Radio and Cellular • Analysis was conducted for several study areas in the RIME region. • Tower Sites were selected from FCC database. • Not meant to show actual coverage. • Meant to show the impact of terrain on prospective coverage.





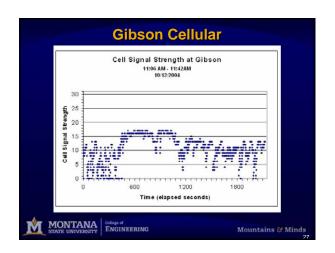


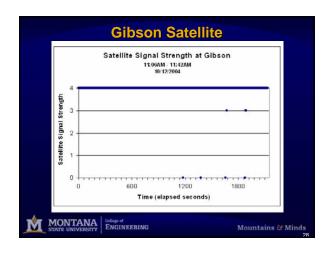


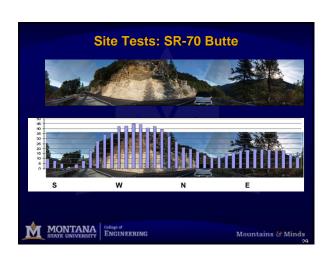


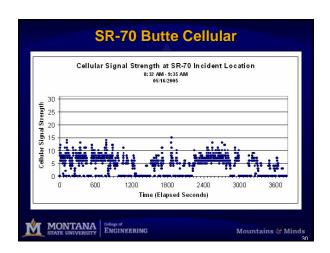


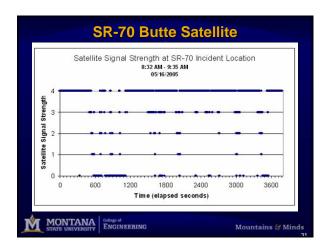






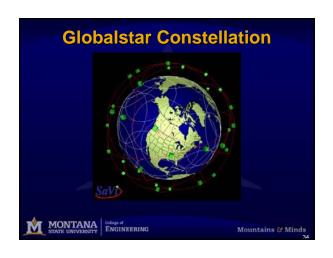


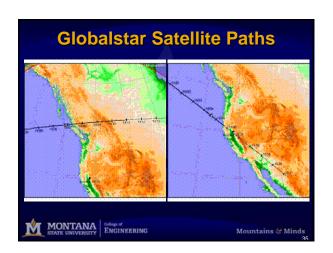


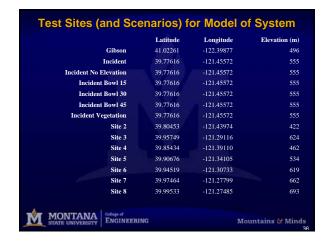


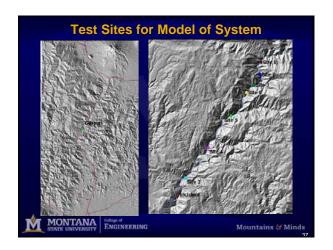




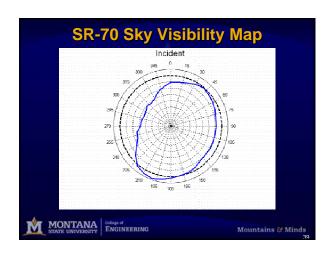


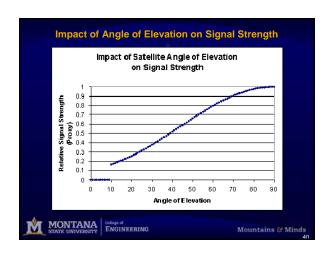






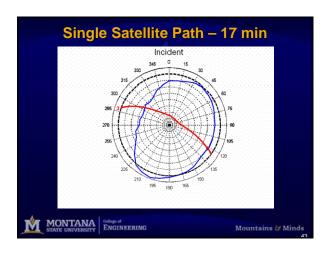


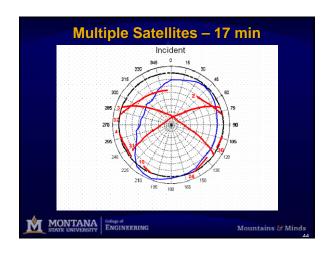


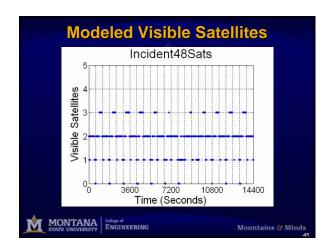


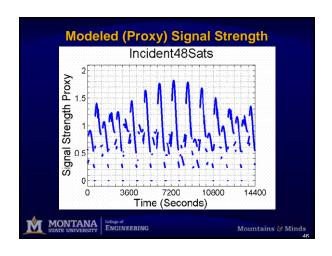
Sites a	iiu s	ו עאכ	סופ	UNC	ıye	O.	aus	uic	•
	Gibson	Incident	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8
Mean	11.0	21.9	18.1	22.5	26.1	26.0	23.2	27.9	27.0
Std Dev		12.8	5.8		9.6	8.9	7.2		9.0
Min		1.8		8.9	8.7	9.8	9.8	12.6	7.8
Max	17.2	45.1	28.8	31.4	41.3	36.8	33.8	40.1	40.7
Block. Sky pet.	0.23	0.41	0.36	0.43	0.49	0.48	0.44	0.52	0.5
Block. Sat. Sky pct.	0.06	0.27	0.19	0.28	0.35	0.35	0.29	0.39	0.38
Block. Sig. Potential pct.	0.02	0.15	0.08	0.14	0.19	0.19	0.15	0.21	0.21

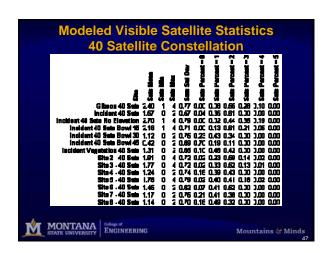
	Incident	Incident No Elevation	Incident Bowl 15	Incident Bowl 30	Incident Bowl 45	Inciden Vegetatio	
Mean	21.9	0.0	15.0	30.0	45.0	26.	
Std Dev	12.8	0.0	0.0	0.0	0.0	12.	
Min	1.8	0.0	15.0	30.0	45.0		
Max	45.1	0.0	15.0	30.0	45.0	45	
Block. Sky pct.	0.41	0.00	0.31	0.56	0.75	0.4	
Block. Sat. Sky pct.	0.27	0.00	0.12	0.44	0.68	0.3	
Block. Sig. Potential pct.	0.15	0.00	0.05	0.23	0.48	0.2	

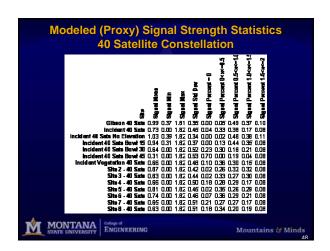












Modeled Data Transfer Analysis Data modeled for 1 week at 1 second intervals Determine if data could be transferred at given point in time. If not, redial and try again. Try to complete transmission within time limit. MONTANA CAMPAGE MINDERING MOUNTAINS & MINDERING

