

TC IN / OUT
(Based on 30fps)

Tornado Alley Transcription

01:00:54:00 to 01:01:12:00	NARRATOR:	There is a place in the heartland of the United States that is home to the most severe storms on Earth.....where the clash of forces above can turn day into night – and reign terror on those below.
01:02:18:00 to 01:02:47:00	NARRATOR:	<p>Tornado Alley is a name well earned, for it is home to nearly 80% of the world’s most violent tornadoes.</p> <p>The destruction they leave behind each year is enormous – and the human toll is no less devastating.</p> <p>We’ve come to understand why so many tornadoes plague this region, but we still cannot predict with great accuracy where and when they will strike.</p>
01:02:57:00 to 01:03:08:00	NARRATOR:	A scientific mission called Vortex 2 is now underway – to gain a better understanding of why some storms produce tornadoes and others do not.
01:03:11:00 to 01:03:16:00	NARRATOR:	Meteorologist Don Burgiss is one of the principal investigators on the team.
01:03:17:00 01:03:33:15	Don Burgiss VO:	Vortex 2, or V2 as we call it, is a large scientific experiment. Large, because we need to get as much data as possible on the details of tornado genesis, the time when tornadoes are born.
01:03:36:00 to 01:03:47:15	Don Burgiss VO:	A storm can be huge, miles across. So we’ve got to use every tool we’ve got. We’ll surround storms with sensors called sticknets...
01:03:49:00 to 01:03:57:00	Don Burgiss VO:	Mobile weather data collecting vehicles called mesonets will get as close to the tornado as possible...

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01:03:58:00 to 01:04:05:15	Don Burgiss VO:	We'll drop mini-weather stations called pods, right in the path of oncoming tornadoes...
01:04:06:15 to 01:04:12:15	Don Burgiss VO:	And, we'll scan inside the storms with the most sophisticated mobile radar trucks.
01:04:15:00 to 01:04:36:00	NARRATOR:	The goal of their field research is to gather information that can be used to provide earlier and more accurate warnings – and with over one-hundred researchers, forty vehicles and a huge array of advanced instrumentation, Vortex 2 is the most ambitious severe storm investigation in history.
01:04:44:00 to 01:04:49:00	NARRATOR:	Scientists are not the only ones drawn to severe weather.
01:04:51:00 to 01:05:16:00	NARRATOR:	Sean Casey is both a film maker and a storm chaser – and his preparation is taking shape in a very different way.... upgrading his fourteen-thousand pound homemade tank. He calls it the Tornado Intercept Vehicle – or TIV – built for one purpose – to drive into the heart of a tornado.
01:05:16:15 to 01:05:36:00	Sean Casey VO:	People ask me why I'm doing this. I know that some of them think I'm nuts. But for years I've had this goal, this dream. I want to get a shot of a tornado coming directly at us, and film that impact. And this is the only way I know how to do it.
01:05:36:15 to 01:05:44:00	NARRATOR:	With two inch composite armor and bullet-proof windows, the TIV is designed to survive tornadic winds of up to 200 miles an hour.
01:05:57:00 to 01:06:04:00	NARRATOR:	Meteorologist Brandon Ivey will monitor weather conditions for the team.
01:06:08:15 to 01:06:18:00	NARRATOR:	Driver Marcus Guterrez is a trained Navy medic, a skill set that, hopefully, won't be needed.

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01:06:20:00 to 01:06:28:00	NARRATOR:	Sean Casey will spend most of his time under the turret – which both houses and protects his large format camera.
01:06:35:00 to 01:06:42:15	NARRATOR:	TIV is ready to roll. But first, a rehearsal.
01:06:43:00 to 01:06:45:15	Sean Casey:	Tornado coming, deploy!
01:06:47:15 to 01:06:49:15	Sean Casey (Off Screen):	Four seconds!
01:06:50:00 to 01:06:52:15	NARRATOR:	Panels lower to block lifting winds.
01:06:55:00 to 01:06:56:15	Sean Casey:	Eight seconds!
01:07:02:00 to 01:07:03:15	Sean Casey:	Sixteen seconds!
01:07:04:15 to 01:07:08:15	NARRATOR:	Steel spikes drive 40 inches into the ground as anchors.
01:07:10:00 to 01:07:15:00	Sean Casey Marcus Gutierrez: Sean Casey: Marcus Gutierrez:	22.9. Nuh uh! Yeah. Why do I keep getting that number?!
01:07:23:15 to 01:07:24:15	NARRATOR:	The chase is on....

01:07:25:15 to 01:08:26:15	NARRATOR:	...for it's storm season in Tornado Alley, and a unique combination of geography and converging air masses provide the perfect environment for tornado genesis. With no southern mountain range to block the flow - warm moist air from the Gulf of Mexico moves northward, under the dry, cool, fast moving winds of the jet stream. If the warm air rises it cools, and moisture condenses into clouds, reaching as high as ten miles into the atmosphere - and a storm is born. Winds moving in different directions and different speeds can rotate a storm into what is called a supercell. Scientists believe that a downdraft wrapping around the rear of the supercell is critical to bringing the rotation to the ground, and that the temperature of the downdraft might determine whether the storm merely produces strong winds - or a monster tornado.
01:08:55:00 to 01:09:01:00	Don Burgiss (off screen):	Welcome to day one, first day of Vortex 2. We have an interesting situation this morning.
01:09:01:00 to 01:09:04:15	Don Burgiss:	This is the first slide today, the 500 millibar chart...
01:09:06:00 to 01:09:18:00	NARRATOR:	Each day begins with a weather briefing to target areas with tornado potential. Then, team leaders go to work. Vortex 2 researcher Dr. Karen Kosiba directs placement of the pods.
01:09:18:00 to 01:09:33:00	Karen Kosiba VO:	Before each mission, I like to meet with the pod teams so we can go over strategy so they know where to drop the pods, how far the pods should be spaced. It could be a dangerous situation so they need to be cognoscente of what's going on around them.
01:09:35:15 to 01:09:41:15	NARRATOR:	Principal Investigator Dr. Josh Wurman is in charge of coordinating V2's eleven radar trucks.
01:09:42:15 to 01:09:52:00	Josh Wurman VO:	Radar is the backbone of our mission, because it allows us to see inside storms, and make three dimensional maps of the winds.
01:09:54:00 to 01:09:59:15	NARRATOR:	For Don Burgess this will mark almost 40 years of storm chasing.
01:10:00:00 to 01:10:10:15	Don Burgiss VO:	There's a great deal of excitement when you head out the first day. I just relish the time, and relish the opportunity to go out and get to do this one more time.

01:10:13:00 to 01:10:22:15	NARRATOR:	The height of the storm season lasts less than two months. For chase teams the clock is constantly ticking.
01:10:32:15 to 01:10:36:15	Josh Wurman Radio Transmission:	Best case scenario now is maybe sending the slower radars over..
01:10:36:15 to 01:10:45:15	NARRATOR:	Once a storm is targeted, Vortex2 will try to get ahead of it. Their goal is to be in position to collect data throughout the entire life cycle of a tornado.
01:10:48:00 to 01:11:42:00	NARRATOR:	<p>First they'll position radar and other sensors as far as 20 miles out to record large scale samples of the entire storm.</p> <p>Some radar trucks will deploy closer to the tornado to collect higher resolution data.</p> <p>Before they scan, they must get level and be clear of obstacles. Then Doppler radar emits radio waves that reflect off rain, hail and lofted debris, creating a map of the structure and evolution of the tornado.</p> <p>A hook like shape on radar can show that a downdraft has wrapped around the rear of the storm – a potential indicator of tornado genesis.</p> <p>Roaming Mesonet vehicles and pods – dropped in the storm's path - measure what radar cannot – temperature, humidity and wind speed at ground level.</p> <p>Altogether, V2's array of instrumentation will make visible the unseen architecture of the entire storm.</p>
01:11:45:00 to 01:11:51:00	NARRATOR:	Sean Casey's mission is far less complex than V2's, but his commitment is no less impressive.

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01:11:54:00 to 01:12:03:00	Sean Casey VO:	This has been my life, for the last eight years now. And I don't want to spend all this time out in the field and bring back ordinary footage.
01:12:04:15 to 01:12:11:15	Sean Casey VO:	It's one of the visual wonders of the world. It feels like it should be on another planet!
01:13:00:00 01:13:05:00	NARRATOR:	Early on – both V2 and TIV find themselves on the same road.
01:13:14:00 to 01:13:19:00	NARRATOR:	Two storms have developed – and they both show potential.
01:13:20:15 to 01:13:25:00	NARRATOR:	TIV heads east - towards a storm that is already tornado warned...
01:13:25:00 to 01:13:32:00	NARRATOR:	...V2 goes west, where a better road network will increase their chances for a full deployment.
01:13:36:00 to 01:13:43:00	Josh Wurman Radio Transmission:	There is now a target storm. It is the second one in the line, not the southern tip.
01:14:03:15 to 01:14:07:00	Josh Wurman Radio Transmission:	This is Dow 7 to CSWR teams...
01:14:07:00 to 01:14:12:15	Josh Wurman:	Looks like it's to the west of you, you are in a pretty good spot, we are going to keep scanning this and update you...
01:14:12:15 to 01:14:19:15	Josh Wurman Radio Transmission:	The circulation is marginally tornadic in the DOW, and I think we're seeing it. Might be a tornado visually.
01:14:19:15 01:14:25:15	Unidentified Male Radio Transmission:	The only thing I'm seeing there is a wall cloud, I don't know about the tornado, might be in that other rain curtain there.
01:14:25:00 01:14:28:00	Unidentified Male Radio Transmission:	Oh, visually, it's clearly on the ground.
01:14:28:00 to 01:14:31:00	Unidentified Male Radio Transmission: Josh Wurman Radio Transmission:	DOW 7 this is probe 13, what do you want us to do? Stand by probe 13.
01:14:36:00 to 01:14:41:00	NARRATOR:	55-gallon oil barrels fly like leaves in the wind.

01:14:53:00 to 01:14:59:00	Unidentified Male Radio Transmission:	The tornado is weakening, at four point six at forty degrees.
01:15:00:00 to 01:15:05:00	Josh Wurman Radio Transmission:	Basically we are just going to try to regroup out ahead of this.
01:15:05:00 to 01:15:12:00	NARRATOR:	Even though the tornado has weakened, the storm is still strong --- and on the move.
01:15:12:00 to 01:15:15:00	Unidentified Male Radio Transmission:	Yeah we copied that, we're rolling.
01:15:18:00 to 01:15:21:00	NARRATOR:	To the east, TIV has chosen the wrong storm.
01:15:25:00 to 01:15:27:00	NARRATOR:	They have a lot of ground to make up.
01:15:47:00 to 01:15:52:00	NARRATOR:	V2 is already positioning sensors on the perimeter of the storm.
01:15:53:00 to 01:15:58:00	Josh Wurman Radio Transmission:	Hey, the sticknets are setting up on 15, think you can go up 207?
01:15:59:00 to 01:16:01:00	Unidentified Male Radio Transmission:	This looks like it could produce again.
01:16:03:00 to 01:16:05:00	Unidentified Male Radio Transmission:	DOW 7 are you deployed yet?
01:16:06:00 to 01:16:10:00	Unidentified Male Radio Transmission:	We are deploying at our current location, just east of NOXP.
01:16:11:00 to 01:16:13:00	Josh Wurman:	Are you scanning yet?
01:16:13:00 to 01:16:16:00	Unidentified Male Radio Transmission:	Yeah, we are having a heck of a time finding a deployment site, is it alright if we give 2108 a try?

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01:16:16:00 to 01:16:22:00	Josh Wurman Radio Transmission:	Yeah, that's fine, you'll have to rush, and there's certainly no guarantee that's a better road.
01:16:27:00 to 01:16:35:00	Karen Kosiba Radio Transmission:	Ok, can the probe teams move 2 kilometers south from their given location and then hold up there. Probe 11 do you copy?
01:16:35:00 to 01:16:37:00	Unidentified Female Radio Transmission:	Yeah, we copy!
01:16:38:00 to 01:16:45:00	Unidentified Male Radio Transmission: Unidentified Male Radio Transmission: Unidentified Male Radio Transmission: Unidentified Male Radio Transmission:	The northern latitude is 39.24 -- correct? Correct. That's in the middle of a field is it not? That's correct, we do it right where it is though!
01:16:48:00 to 01:16:56:00	Josh Wurman Radio Transmission: Unidentified Male Radio Transmission: Josh Wurman Radio Transmission: Unidentified Male Radio Transmission:	DOW 5, DOW 7? DOW 5. Are you scanning? Not yet.
01:16:58:00 to 01:17:12:00	Unidentified Male Radio Transmission: Unidentified Female Radio Transmission: Unidentified Male Radio Transmission:	Uh, this is Probe 1, any teams following us, county road 4 is washed out at our position. Did you say washed out? Yes, there is no road, we are turning around.
01:17:12:00 to 01:17:15:00	Unidentified Male:	Go 16, we will turn around after you.
01:17:17:00 to 01:17:30:00	Josh Wurman Radio Transmission: Unidentified Male Radio Transmission: Josh Wurman Radio Transmission: Unidentified Male Radio Transmission: Josh Wurman Radio Transmission:	DOW 5, DOW 7? DOW 5. Hi, what's your status? We're still sitting here scanning, with much better data than before. OK, good job, Dow 5.
01:18:10:00 to 01:18:14:00	Sean Casey:	Ok, let's start closing hatches.

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01:18:14:00 to 01:18:15:00	Marcus Guitierrez (off screen):	Close hatches!
01:18:24:00 to 01:18:26:00	Sean Casey:	Oh, man!
01:18:28:00 to 01:18:30:00	Sean Casey (off screen):	Gotta get the camera up!
01:18:35:00 to 01:18:38:00	Sean Casey:	It looks like it's dissolving!
01:18:42:00 to 01:18:45:00	Sean Casey:	You're gonna have to go faster Marc!
01:18:45:00 to 01:18:46:00	Marcus Gutierrez (off screen):	We're driving, we're going!
01:18:46:00 to 01:18:50:00	Sean Casey (off screen):	OK, we're going to drive into it.
01:19:11:15 to 01:19:15:15	Sean Casey:	Five minutes and we would have had it. It was that one train.
01:19:16:00 to 01:19:18:00	Sean Casey (off screen):	We just missed it.
01:19:24:00 to 01:19:32:00	Karen Kosiba Radio Transmission:	DOW 7 to all teams, mission is over, good job today you guys, and we will see you back at the hotel.
01:19:37:00 to 01:19:47:00	NARRATOR:	For all their efforts, the TIV team came up short...but there's always another day.
01:20:05:00 to 01:20:17:00	NARRATOR:	Blue skies.....white clouds.....warm, dry breezes.....terrible weather - for storm chasers.
01:20:19:15 to 01:20:22:00	NARRATOR:	What they need is a little luck.

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01:20:27:00 to 01:20:37:00	NARRATOR:	Through 14 seasons, DOW driver Herb Stein has followed the same ritual, searching for just the right good luck charm.
01:20:46:00 to 01:20:50:00	NARRATOR:	No matter how slim the chances – the search goes on.
01:22:36:00 to 01:22:46:00	NARRATOR:	Warm moist air from the Gulf of Mexico has now returned, the necessary fuel for storms on the plains.
01:23:15:00 to 01:23:18:15	Unidentified Male Radio Transmission:	Any hail reports? We're starting to pick up a little bit.
01:23:22:00 to 01:23:29:00	NARRATOR:	Hailstones can range in size from as small as a pea to as large as a softball – a threat to both researchers and their equipment.
01:23:48:00 to 01:23:54:00	Don Burgiss Radio Transmission:	All teams, this is NOXP, we've got moderate hail falling now.
01:24:00:00 to 01:24:05:00	Unidentified Male Radio Transmission:	Probe 11's already got half inch hail and increasing.
01:24:06:00 to 01:24:11:00	Unidentified Male Radio Transmission: Unidentified Male Radio Transmission:	We're getting nickel size hail. OK, copy, write it all down.
01:24:17:00 to 01:24:24:00	Josh Wurman Radio Transmission:	Uh, the DOWs are going to be pulling out now, because this storm has big hail in it, so everybody, try to get east on this road as quickly as you can.
01:24:28:00 to 01:24:33:00	Unidentified Male Radio Transmission:	Probe 11's already got golf balls, probe 12, you can go ahead now!
01:24:41:00 to 01:24:54:15	Unidentified Male Radio Transmission: Unidentified Male Radio Transmission: Unidentified Male Radio Transmission:	Dow 7, Dow 6, we're getting caught up in this, where's the edge of the core right now? Dow 7 is five miles ahead of you and we are in the clear. OK, Dow 6 copies, FYI there are some probes way behind us!
01:24:54:15 to 01:24:59:15	Unidentified Male Radio Transmission: Unidentified Female Radio Transmission:	Probe 11 and 12, you coming this way? Yeah we are, we're behind you.

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01:25:01:15 to 01:25:04:15	Unidentified Male Radio Transmission: Unidentified Male Radio Transmission:	Um, we've been cut off from communications -- Um, was somebody calling DOW 7--?
01:25:06:15 to 01:25:13:00	Unidentified Male Radio Transmission:	Yes, Probe 11 is about a mile in front of us and we are moving very slowly because we cannot see.
01:25:14:15 to 01:25:19:00	Josh Wurman Radio Transmission:	The circulation is on the road at—4--point- (transmission breaks off)
01:25:20:00 to 01:25:27:00	Unidentified Male Radio Transmission:	I'm noticing circulation right off to our right.... Stop, stop, stop, we're in a circulation, turn around!
01:25:28:00 to 01:25:31:00	Unidentified Male Radio Transmission:	It's passing over us, we're fine!
01:25:36:15 to 01:25:41:00	Karen Kosiba Radio Transmission:	Probe 15..... Probe 16....
01:25:41:15 to 01:25:47:00	Karen Kosiba:	Probe 11. Probe 12. Probe 13.
01:25:52:00 to 01:25:57:00	Josh Wurman : Karen Kosiba:	Great. Herb, you need to go out and restart the generator, Karen, you need to get the antenna control- Yeah, I'm doing it!
01:25:58:00 to 01:26:07:00	Josh Wurman Radio Transmission:	OK, just FYI, the DOW is down, we have no power, we cannot see where the tornado is, so get safe visually please.
01:26:07:00 to 01:26:12:00	NARRATOR:	With a third of their team stuck in a massive storm, safety is now the number one priority.
01:26:29:00 to 01:26:31:00	Don Burgiss Radio Transmission:	Josh, with everybody spread out...
01:26:31:00 to 01:26:36:00	Don Burgiss:	...and the comms bad, I just don't see any reason to continue with this deployment, over.
01:26:36:00 to 01:26:40:00	Josh Wurman Radio Transmission:	No, I think we just have to get people safe at this point, so it's uh, disappointing

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01:26:46:00 01:26:50:00	NARRATOR:	Miles away, on a different storm, the TIV crew is waiting.
01:27:36:00 to 01:27:38:15	NARRATOR:	The storm is on the move.
01:27:48:00 to 01:27:58:15	NARRATOR:	Hunting for a tornado can feel like hunting for a shark in dark waters. You know it's there – you just can't see it.
01:28:00:00 to 01:28:04:15	Sean Casey:	Hey, little circulation, right ahead of us!
01:28:06:00 to 01:28:07:15	Brandon Ivey:	Wow, look at that!
01:28:15:00 to 01:28:17:00	Sean Casey (offscreen):	Four o'clock, new circulation!
01:28:17:00 01:28:20:00	Brandon Ivey (offscreen):	New tornado forming to the east!
01:28:29:00 01:28:33:00	NARRATOR:	A small tornado has now become a massive tornado.
01:28:36:15 to 01:28:39:00	Sean Casey (offscreen):	Keep going, I don't want to go inside of it!
01:28:39:00 to 01:28:43:00	Marcus Gutierrez (offscreen): Sean Casey (offscreen):	You sure? Yeah, I'm sure man, I'm looking at it...!
01:29:00:15 to 01:29:03:00	Sean Casey (offscreen):	It's catching us!
01:29:03:00 to 01:29:06:15	Brandon Ivey (offscreen):	You gotta fly dude, just to be on the safe side, you gotta fly!
01:29:07:15 to 01:29:11:00	Sean Casey:	It's directly behind us, it's coming up on the road!
01:29:11:00 to 01:29:13:00	Marcus Gutierrez (offscreen):	I can't see the road Sean!
01:29:15:00 to 01:29:16:15	Marcus Gutierrez (offscreen):	Tree down!
01:29:25:15 to 01:29:28:15	Sean Casey (offscreen):	Pull up here and deploy, just stop and deploy!

01:30:24:15 to 01:30:29:00	Sean Casey: Marcus and Brandon: Sean Casey:	You guys Ok? Yeah, we're fine. Ok, let's follow this.
01:30:58:00 to 01:31:02:00	Marcus Gutierrez (offscreen):	It's another big one Sean, it's a really big one.
01:31:02:00 to 01:31:04:00	Sean Casey (offscreen)	Stop here, stop here!
01:31:04:00 to 01:31:06:00	Brandon Ivey (offscreen):	There's debris in the air, there's debris in the air!
01:31:14:00 to 01:31:17:15	Brandon Ivey (offscreen):	I hope everybody's in their basement; I hope they are in their basement.
01:32:00:00 to 01:32:22:00	Sean Casey VO:	There is a contradiction sometimes. It can be exciting chasing tornadoes. But when you see this... It really hits home how important the warning times are. People's lives were saved because they had enough time to get to safety.
01:32:46:00 to 01:33:08:00	NARRATOR:	It's been a long and well-traveled road – but now there are no storms to chase – and waiting is the hardest part. Still - conditions can change – and the right road might just lead to that one perfect storm.
01:33:13:00 01:33:17:00	Don Burgiss (offscreen):	We may have an opportunity for significant supercells maybe significant tornadoes today...
01:33:17:00 to 01:33:22:00	Don Burgiss:	... this may be one of the last good days of the spring.
01:33:30:00 to 01:33:40:00	Robotic Radio Voice:	The National Weather Service has issued tornado watch #332. Persons should remain alert for rapidly changing weather conditions. Stay tuned to NOAA weather radio...

01:34:41:00 to 01:34:54:00	Karen Kosiba Radio Transmission: Unidentified Female Radio Transmission: Karen Kosiba Radio Transmission: Unidentified Male Radio Transmission: Karen Kosiba Radio Transmission: Unidentified Male Radio Transmission: Karen Kosiba Radio Transmission: Unidentified Male Radio Transmission: Karen Kosiba Radio Transmission: Unidentified Male Radio Transmission:	All probe vehicles, you have on your mesonets, correct? Probe 11 check. Probe 12? Check 13? Check! 14? Check 15? Check
01:34:59:00 to 01:35:05:00	Josh Wurman Radio Transmission: Unidentified Male Radio Transmission:	We're going to set up the SR's down there, and then we are going to have a triangle with the DOWs on 85, and we thought we could set you up there. Copy that Josh, sounds good.
01:35:22:00 to 01:35:27:00	Sean Casey (offscreen): Marcus Gutierrez (offscreen):	Try to stay in the middle! I'm trying, it's really slippery!
01:35:29:00 to 01:35:32:00	Sean Casey (offscreen):	Slow down, slow down, it's greasy!
01:35:37:00 to 01:35:40:00	Sean Casey (offscreen):	Keep it in the road, keep it in the road!
01:35:58:00 to 01:36:06:00	Josh Wurman Radio Transmission:	It looks like the surface circulation is increasing and the hook is really coiling up, so this storm looks like it's intensifying and certainly could produce something in the next few minutes.
01:36:06:00 to 01:36:12:00	Karen Kosiba Radio Transmission:	DOW 7 to all probe teams, please head up north quickly to DOW 5's location and start dropping pods at DOW 5 and northward.
01:36:12:00 to 01:36:14:00	Unidentified Female Radio Transmission:	Copy, we're moving.

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01:36:20:00 to 01:36:24:00	Unidentified Male Radio Transmission:	Uh, this is Dow 6, I can confirm a tornado, it is moving east at 15.
01:36:29:00 01:36:35:00	Unidentified Female Radio Transmission: Karen Kosiba Radio Transmission: Unidentified Female Radio Transmission:	DOW 7? Go ahead Probe 11. We've deployed pod 2, where would you like us to go next?
01:36:35:00 to 01:36:38:00	Karen Kosiba:	Try to get them at a hundred meters but do the best you can, you don't have much time.
01:36:40:00 to 01:36:43:00	Unidentified Male Radio Transmission:	Probe 11 dropping pod F.
01:36:44:00 to 01:36:50:00	Karen Kosiba Radio Transmission: Unidentified Male Radio Transmission:	DOW 7, Probe 14. Probe 14, go ahead, we're dropping our third pod right now.
01:36:58:00 to 01:37:04:00	Unidentified Male Radio Transmission:	All instruments deployed, last one was number 7, directly in the path.
01:37:05:00 to 01:37:08:00	Josh Wurman Radio Transmission:	NOXP, DOW 7, what's your status.
01:37:08:00 to 01:37:14:00	Don Burgiss Radio Transmission:	Yes Josh, we've been up and scanning since 22-42-Z. We've got it, over.
01:37:16:00 to 01:37:23:00	NARRATOR:	All eleven of V2's radar trucks are in position, deployed and scanning.
01:37:27:00 to 01:37:31:00	NARRATOR:	For TIV, it's only a matter of timing – and luck.
01:37:32:00 to 01:37:35:00	Sean Casey:	Where do you think it's going to cross on this road?
01:37:37:00 to 01:37:40:00	Sean Casey:	Ok, see this telephone pole? Let's deploy right here!
01:37:41:00 01:37:42:00	Voices:	OK, Deploy!

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1:37:46:00 to 1:37:50:00	Sean Casey:	OK, here we go, it's coming right at us.
01:37:35:15 to 01:38:46:00	NARRATOR:	It took eight years – then, in less than a minute, it was over. He'd gotten inside – and got the shot.
01:38:53:00 to 01:39:12:00	NARRATOR:	Throughout the course of their field research, Vortex 2 collected data on dozens of storms and tornadoes. It will take years to analyze the information they've gathered, but their work has already pushed the boundaries of meteorological science.
01:39:14:00 to 01:39:23:00	Karen Kosiba Radio Transmission: Unidentified Male Radio Transmission: Karen Kosiba Radio Transmission:	Go Ahead Probe 13. Great Job Karen positioning us, that was perfect. Good job getting there you guys, really <i>all</i> probe teams!
01:39:26:15 to 01:39:42:00	Don Burgiss VO:	Today, we made the right forecast, we moved to the right place, we got deployed, we collected the data, so there's a great feeling of accomplishment, and a feeling of relief that we got what we needed to get.
01:39:44:15 to 01:40:12:15	Josh Wurman VO:	Now, we have dozens and dozens of data sets, that will enable us to learn the keys to why some of these storms made tornadoes, and some of them didn't. Scientists from Vortex 2 should feel very proud if ten years from now the lead times are 15 minutes, or 20 minutes, and families in Tornado Alley have that many more minutes to get to safety.
01:40:25:15 01:40:42:15	Sean Casey VO:	In the end, it wasn't about just getting a single shot. It's a life changing experience, to witness the beauty and power of these storms. It's the lure of Tornado Alley. And it's got me.