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| 1  | <u>REGION</u><br>Silicon Valley heaved a sigh of relief yesterday .   |
| 2  | Though details were sketchy in the aftermath of the violent earthquake that shook the high-tech corridor along with the rest of the <u>FACILITY</u> San Francisco Bay area , a spot check of computer maker turned up little , if any , potentially lingering damage to facilities or fabrication equipment .                   |
| 3  | Analysts and corporate officials said they expected practically no long-term disruption in shipments from the <u>CITY</u> Valley of either hardware or software goods .   |
| 4  | <u>CORPORATION</u> Intel Corp. , <u>CORPORATION</u> Advanced Micro Devices Inc. and <u>CORPORATION</u> National Semiconductor Corp. were all up and running yesterday , though many workers were forced to stay home because of damaged roadways ; others elected to take the day off .   |
| 5  | `` These systems are more rugged than many people would believe , '' said <u>PERSON</u> Thomas Kurlak , who tracks the computer industry for <u>CORPORATION</u> Merrill Lynch Research .  |
| 6  | Other companies , including <u>CORPORATION</u> International Business Machines Corp. and <u>CORPORATION</u> Hewlett-Packard Co. , completely idled their operations because of Tuesday evening 's temblor , which registered 6 on the Richter scale .   |
| 7  | Personnel spent the morning inspecting buildings for structural weaknesses , mopping up <u>FOOD</u> water from broken pipes and clearing ceiling tiles and other debris from factory floors .   |
| 8  | Still , many were confident that `` in a day or two , everything should be back to normal , '' according to a spokeswoman for the <u>CORPORATION</u> Semiconductor Industry Association , based in <u>CITY</u> Cupertino .  |
| 9  | <u>CORPORATION</u> IBM , for instance , said it anticipates returning to a normal work schedule by the weekend at its <u>CITY</u> San Jose plant , which puts out disk drives for the <u>PERSON</u> 3090 family of mainframes .   |
| 10 | A <u>CORPORATION</u> Hewlett-Packard spokeswoman said that , while `` things are a big mess , '' some 18,000 <u>LOCATION</u> Valley employees have been called back to work today .   |
| 11 | <u>CORPORATION</u> Apple Computer added that it was being `` cautiously optimistic , '' despite not yet closely eyeballing all of its 50 buildings in the region .  |
| 12 | Even the carefully calibrated machinery in its giant <u>CITY</u> Fremont plant , to the north of the <u>REGION</u> Valley , was believed to be undamaged .  |
| 13 | <u>CORPORATION</u> Sun Microsystems Inc. and <u>CORPORATION</u> Tandem Computers Inc. also signaled that they should recover quickly .  |
| 14 | <u>CORPORATION</u> Digital Equipment Corp. , with major facilities in <u>CITY</u> Santa Clara , <u>CITY</u> Cupertino , <u>CITY</u> Palo Alto and <u>CITY</u> Mountain View , said that all of its engineering and manufacturing sites had reported to corporate headquarters in <u>CITY</u> Maynard , Mass . , Tuesday night . |
| 15 | For example , a spokesman for <u>CORPORATION</u> Advanced Micro Devices said the <u>CORPORATION</u> Sunnyvale chip maker is worried about blackouts .   |
| 16 | But , given what might have happened to the fragile parts that are at the heart of the microelectronics business , the bulk of Valley companies seemed to be just about shouting hosannas .   |
| 17 | Several factors apparently spared the Valley -- a sprawling suburban stretch from San Jose to Palo Alto -- from the kind of impact felt in San Francisco , an hour 's drive north .   |
| 18 | Also , the soil in the Valley is solid , unlike the landfill of San Francisco 's downtown Marina District , which was hit with fires and vast destruction .   |
| 19 | Intel said that over the past decade , it has installed computer sensors and shutoff valves , sensitive to the shake of an earthquake , in the pipes that snake through its plants .  |
| 20 | Like other large Valley companies , Intel also noted that it has factories in several parts of the nation , so that a breakdown at one location should n't leave customers in a total pinch .   |
| 21 | That 's certainly good news for such companies as Compaq Computer Corp. , Houston , which has only a four-day supply of microprocessors from the Valley on hand because of a just-in-time manufacturing approach that limits the buildup of inventory .   |
| 22 | Compaq said it foresees no difficulties in obtaining parts in the immediate future .  |
| 23 | Digital Equipment has set up disaster-recovery response centers in Dallas , Atlanta and Colorado Springs , Colo .   |
| 24 | These units were handling calls both from people in the San Francisco area and from computers themselves , which are set to dial Digital automatically when trouble arises .  |
| 25 | Digital also said it has dispatched teams of technicians to California .  |
| 26 | Meanwhile , several other major installations around the Valley -- America 's center of high-tech -- said they , too , fared as well as could be expected .   |
| 27 | Lawrence Livermore National Laboratory , where the Energy Department tests and conducts research on nuclear weapons , had only `` superficial damage , '' a spokesman said .  |
| 28 | At Lockheed Corp.   |
| 29 | 's missiles and space systems group in Sunnyvale , about 40 miles south of San Francisco , workers were asked to head to work yesterday after it was realized that `` there were no show-stoppers '' in the 150-plus buildings on its one-square-mile campus .  |
| 30 | One of Lockheed 's most lucrative sectors -- accounting for more than half the aerospace company 's \$ 10.59 billion in sales in 1988 -- the missiles and space group is the prime Pentagon contractor on the Trident II ballistic missile .  |
| 31 | It also generates pieces of the missile shield called the Strategic Defense Initiative .  |
| 32 | Fortunately , the Hubble Space Telescope -- set to be launched on the shuttle next year in a search for distant solar systems and light emitted 14 billion years ago from the farthest reaches of the universe -- was moved from Sunnyvale to the Kennedy Space Center in Florida at the beginning of October .                 |
| 33 | John R. Wilke contributed to this article .   |