```
1  public class SeqSnapshot<T> implements Snapshot<T> {
2    T[] a_value;
3    public SeqSnapshot(int capacity, T init) {
4      a_value = (T[]) new Object[capacity];
5      for (int i = 0; i < a_value.length; i++) {
6        a_value[i] = init;
7      }
8    }
9    public synchronized void update(T v) {
10     a_value[ThreadID.get()] = v;
11   }
12   public synchronized T[] scan() {
13     T[] result = (T[]) new Object[a_value.length];
14     for (int i = 0; i < a_value.length; i++)
15       result[i] = a_value[i];
16     return result;
17   }
18 }
```

FIGURE 4.16 A sequential snapshot.